



**SAMA AL EMIRATE**  
ELECTRICAL PANELS MANUFACTURING L.L.C.

## PREQUALIFICATION DOCUMENTS

for

# SAMA AL EMIRATE ELECTRICAL PANELS MANUFACTURING LLC

(AUTHORISED CHANNEL PANEL BUILDER FOR ABB)



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**SES COMPANY PROFILE**



**SAMA AL EMIRATE**  
ELECTRICAL PANELS MANUFACTURING L.L.C.

WE VALUE THE TRUST OF  
OUR CUSTOMERS  
AS OUR BIGGEST ASSET.

[www.sesge.ae](http://www.sesge.ae)



SAMA AL EMIRATE  
ELECTRICAL PANELS  
MANUFACTURING LLC.

COMPANY AND  
PRODUCT OVERVIEW



**Sama Al Emirate Electrical Panels Manufacturing LLC (SES) is a multi-product, vertically integrated manufacturer specialized in entire range of Low Voltage Switchgear & Services. The Entity is motivated & promoted by entrepreneurs who have been in the market for more than 40 years now.**

**SES is jointly held by Dhafir Holdings and Switchgear Electromechanical LLC.** The strengths of the two companies complement each other and hence the collaboration of the two companies, which are pioneers and well recognized names in their respective fields.

**Dhafir Holdings** was founded by Mr. Sultan Abdulla Mohammed Ghannoum Al Hameli. Dhafir Holding was established in Abu Dhabi, United Arab Emirates in the year 1970, and has grown over the years through its many companies enjoying considerable success over the years. Dhafir Holding employs around 2000 people who are professionals in their areas of expertise whose sustained efforts have brought in the honors for the holding.

**Switchgear Electromechanical LLC** was established in 2008 as one of the leading Testing and Contracting companies; offering business values to their clients by combining domain expertise, operational excellence, innovation and cost-effective approach.

Having offices in Dubai, Abu Dhabi, Al Ain and in Chennai branching out in the field of Design, Supply, Installation, Testing, Commissioning, Maintenance, Relay coordination, Short circuit, Load flow study, Calibration and Instrumentation.

## SES VISION

- ▶ SES shall be Professionally managed, Customer driven & committed to Total quality.
- ▶ SES shall be a Market Leader becoming a hallmark of quality for contemporaries and customers alike.
- ▶ SES shall be a Learning organization while achieving Exponential Growth & Glory, focused on Customer Exultation.

## PARTNERS TO ABB LOCAL SOLUTIONS WITH GLOBAL TECHNOLOGIES

We SES proudly announce that we are the franchise panel builder for ABB LV Solutions.

Needless to say, ABB is a leader in power and automation technologies that enable utility and industry customers to improve performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 130,000 people.



## PRODUCTION FACILITIES

L.V. Switchgear products are assembled in the SES factory with a state-of-the-art manufacturing plant in Mussafah, Abu Dhabi.

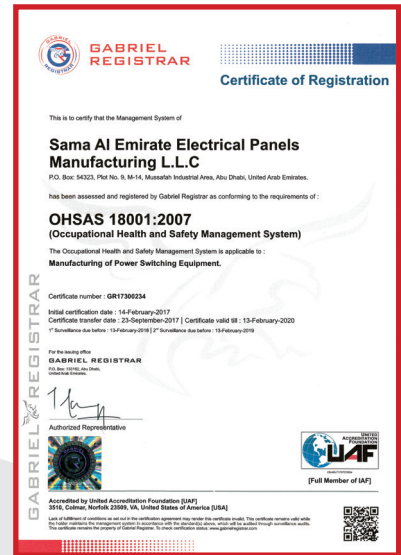
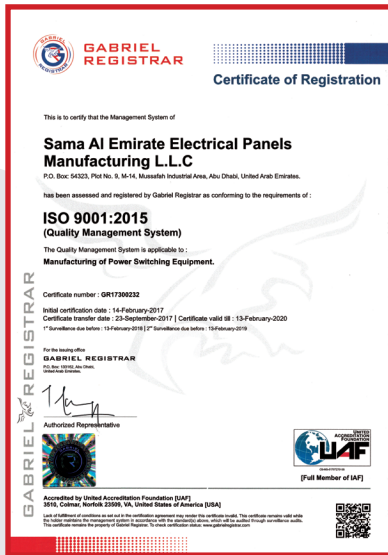
This facility has designed with the requirements of Health and Safety in mind. It operates a smooth system from design to assembly, coming fully equipped with a CAD design system and the latest machinery.



- ▶ Total Area: 3600 m<sup>2</sup>
- ▶ Office Space: 363 m<sup>2</sup>
- ▶ Assembly bays: 743 m<sup>2</sup>
- ▶ Testing bays: 65 m<sup>2</sup>
- ▶ Stores: 195 m<sup>2</sup>
- ▶ Incoming material and dispatch area: 150 m<sup>2</sup>

## QUALITY ASSURANCE AND QUALITY CONTROL

An ISO 9001: 2015 company, we value the trust of our customers as our biggest asset.. Our quality standard and practices are the best in business. We focus not only on the product quality (which remains with our customers throughout the lifecycle) but also service quality.



## We ensure

High quality testing equipment with

- ▶ latest technology
- ▶ Pre-production stage testing
- ▶ Routine tests as per IEC standards
- ▶ Maintaining the local regulations in all stages
- ▶ Review blueprints and specifications
- ▶ Customized test formats
- ▶ Established quality control procedures

Well calibrated testing equipment with latest technologies for switchgear testing

- ▶ HV testing
- ▶ Millivolt drop Test
- ▶ Primary current injection
- ▶ Secondary current injection
- ▶ Megger 1000V



## PRODUCT PORTFOLIO



### LV Switchgear Product Range

- ▶ Main Distribution Board LV Panel
- ▶ Sub. Main Distribution Boards
- ▶ Final Distribution Boards
- ▶ Motor Control Centers (MCC)
- ▶ ATS Panels / AMF Panels
- ▶ Feeder Pillars and LV AC Distribution board
- ▶ Pump Control Panel
- ▶ Control Panels (DOL/ Star- Delta)
- ▶ Variable Speed Drives Soft Starter Panels
- ▶ PLC Control Panels
- ▶ Street lighting Control Panels
- ▶ Metering Cabinets Consumer unit
- ▶ Bus Risers /Bus Ducts



## MAIN DISTRIBUTION BOARD LV PANEL

- ▶ ABB's ArTuK MDB Panels Form 4 Type 6
- ▶ As per IEC 61439-1 & 2
- ▶ Current Rating: from 1000A to 4000A
- ▶ Fixed and Drawout Options available for Circuit Breaker
- ▶ Degree of Protection : IP43/ 54
- ▶ Short circuit Rating: 50kA



## SUB MAIN DISTRIBUTION BOARD

- ▶ ABB's ArTuK and Mirage
- ▶ As per IEC 61439-1 & 2
- ▶ Current Rating ArTuK: from 400A to 4000A
- ▶ For ArTuK : Form 4/ Form 2
- ▶ Current Rating Mirage: 250A to 630A
- ▶ Degree of Protection: IP43
- ▶ Short circuit Rating: upto 36kA

## MCC PANEL

- ▶ Form 2 Type B/ Form 4 Type B
- ▶ Starter : DOL / Star Delta/  
VFD/ Soft Starter



## AUTOMATIC POWER FACTOR CORRECTION PANELS

Save Energy by consistently maintaining higher power factor.

SES power factor correction system ensures optimum power for the running loads thereby:

- ▶ Reduction in Maximum Demand (KVA)
- ▶ Reduction in Energy (KWH) consumption
- ▶ Claim higher Power Factor incentives

Thus longer life of the existing electrical distribution components like transformer, switch gears, cables, etc. are achieved.

## SYNCHRONISING PANELS

DG sync panel controls the functionality of a number of diesel generator sets. To synchronize two or more diesel generator sets, it is required to match all the parameters viz. voltage, frequency, speed, phase sequence and phase angle.



## FINAL DISTRIBUTION BOARDS

- ▶ All types of FDBs available as per utility regulations.
- ▶ Split type DBs
- ▶ Flush DBs
- ▶ Surface DBs
- ▶ Single Pan Assembly DBs (Flush and Surface)
- ▶ Row Type DBs (Flush and Surface DBs)





## AUTOMATIC / MANUAL TRANSFER SWITCH

- ▶ Available as per utility regulations.
- ▶ We offer a wide selection of ATS, upto 4000 Amperes. They have the features and functionality that makes them suitable for diverse applications: industrial plants, docks, airports and data centers

## VFD AND SOFT STARTER PANELS

All types available as per utility regulations.

- ▶ AHU Panels
- ▶ FAHU Panels
- ▶ Chiller Panels
- ▶ Booster Pump Panels
- ▶ HVAC Panels



## OTHER PRODCUTS AND SERVICES

SES aims to be one-point solution provider for all Electrical needs of the industry. Apart from the supply of LV, we can undertake complete Electrical packages which includes supply, Install, testing commissioning of MV Panels, DC Systems, UPS, RTU, Cables, Cable terminations, etc



We believe in supporting our customers during the life cycle of a product, right from Installation to decommissioning of the equipment after its useful life.

Following are the services provided by us:

1. **Installation:** We believe in the philosophy of getting the installation done by manufacturer trained personnel. **Testing and commissioning:** We have a team of personnel certified by the utility/ client to do the necessary testing and commissioning to ensure that the testing is done as per local rules and regulations.
2. **Testing and commissioning:** We have a team of personnel certified by the utility/ client to do the necessary testing and commissioning to ensure that the testing is done as per local rules and regulations.
3. **Engineering Studies:** Studies like short circuit analysis, System stability, Harmonic Analysis, Earth fault, Load flow, Motor Starting etc., are done with state of the art software's like ETAP. We also serve to get approvals from utilities/authorities.
4. **Replacement, Extension and Retrofitting:** These services include not only switchgear upgrade but even the protection upgrade. These activities are optimized and prolongs the life of the equipment by optimizing the cost.
5. **Preventive and Corrective Maintenance:** We offer Annual maintenance service, Preventive maintenance



## ARTU K MAIN DISTRIBUTION BOARDS

### FEATURES OF THE OFFER

- ▶ Switchgear system and components originate from single reputed manufacturer (ABB)
- ▶ ArTu-K enclosure type tested along with Bus duct flange connection.
- ▶ ArTu-K system with Seismic & Internal Arc fault certification.
- ▶ Mechanical impact strength – Certified to IK09/ IK10 according to EN50102, respectively with glass/blind door.
- ▶ Certification from 3rd party laboratory & not manufacturer's laboratory.
- ▶ European design and quality, adapted to Gulf requirements. Utility Approved.
- ▶ Breakers considered for assembly are tested as per IEC 61439-2 at 50° C ambient temperature.
- ▶ Temperature rise test done at 50° C ambient temperature. No extrapolation of results of testing with lower temperature.

## MARKET POSITIONING

### UTILITIES

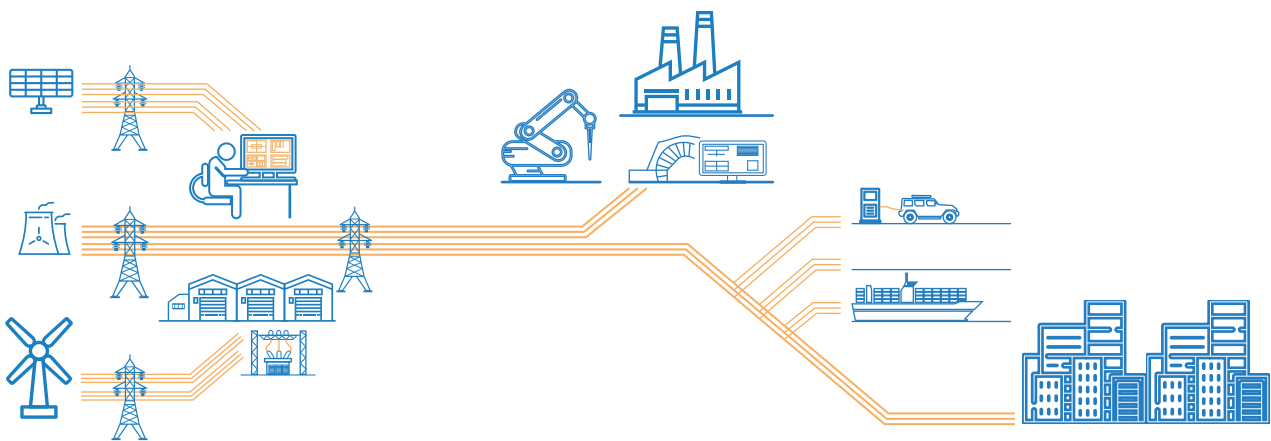
- ▶ Renewable electrification
- ▶ Smart distribution

### INDUSTRY

- ▶ Electrical distribution
- ▶ Power quality & reliability
- ▶ Safety & protection

### TRANSPORT AND INFRASTRUCTURE

- ▶ Building electrification & automation
- ▶ Transport electrification
- ▶ Data centers



**DELIVERING THE BROADEST PORTFOLIO OF LOW VOLTAGE IN THE INDUSTRY;  
CONNECTING, PROTECTING AND MANAGING ELECTRICAL POWER.**





**SAMA AL EMIRATE**  
ELECTRICAL PANELS MANUFACTURING L.L.C.

**INDUSTRIAL LICENSE AND CHAMBER OF  
COMMERCE CERTIFICATE**





# INDUSTRIAL LICENSE

License No

IN-2003037

# رخصة صناعية

رقم الرخصة

License Status	: Under Construction	قيد الإنشاء	حالة الرخصة
Legal Form	: Limited Liability Company	شركة ذات مسؤولية محدودة	الشكل القانوني
ADCCI No	:	-	عضوية الغرفة
First Issue Date	: 02/02/2017	تاريخ أول إصدار	الرقم البيئي
Issue Date	: 02/02/2018	تاريخ الإصدار	السجل المركزي الموحد
Expiry Date	: 01/02/2019	تاريخ الإنتهاء	رقم الإسم التجاري
Trade Name	: Sama Al Emirate Electrical Panels Manufacturing L.L.C.	سما الامارات لتصنيع اللوحات الكهربائية ذ.م.م	الإسم التجاري
Location	: Abu Dhabi - Mussaffah - M-14 - Plot 9		موقع المنشأة
Owner(s) Partner(s)			اسم صاحب المنشأة / الشركاء

نسبة الشراكة Share (%)	Nationality	الجنسية	Partner Name	اسم الشريك	#
51.00 %	United Arab Emirates	الإمارات العربية المتحدة	Dhafir Holding L.L.C.	ظفير القابضة ذ.م.م	1
49.00 %	India	الهند	Elanchezhian Kasilingam	الانشيز هيان كاسينينجام	2

Activity	النشاط	#
1 Power Switching Equipment Manufacturing	صناعة معدات تبديل الطاقة	1

Product	المنتج	#
1 Electrical Switchgear Panel (LV) (Assembly)	لوحات مفاتيح تشغيل كهربائية (ذات جهد منخفض) (تجميع)	1

Note : This Document is Considered As Commercial Register  
IN-2003037 - 27/03/2018



ملاحظات : تعتبر هذه الوثيقة بمثابة سجل تجاري



رقم الرخصة IN-2003037



غرفة أبوظبي  
ABU DHABI CHAMBER

الرقم الموحد  
رقم العضوية  
3000217  
619516

بناء على قانون غرفة تجارة و صناعة أبو ظبي رقم ٢٧ لعام ٢٠٠٥ م

سما الامارات لتصنيع اللوحات الكهربائية ذ.م.م

من الجنسية الامارات

فقد تم تسجيل

لممارسة النشاط  
صناعة معدات تبديل الطاقة

العنوان  
جنسية الشركاء  
الشكل القانوني  
ابو ظبي - منطقة المصفح - ام ١٤  
الهند  
شركة ذات مسؤولية محدودة

2019/03/24  
صدرت بتاريخ  
2018/03/25  
ويسري مفعولها حتى تاريخ



818405

الغرفة الإلكترونية  
The Smart e-Chamber

معكم سنواصل التقدم  
With you we will be ahead



**ISO CERTIFICATIONS**



**GABRIEL  
REGISTRAR**



## Certificate of Registration

This is to certify that the Management System of

# Sama Al Emirate Electrical Panels Manufacturing L.L.C

P.O. Box: 54323, Plot No. 9, M-14, Mussafah Industrial Area, Abu Dhabi, United Arab Emirates.

has been assessed and registered by Gabriel Registrar as conforming to the requirements of :

## ISO 9001:2015 (Quality Management System)

The Quality Management System is applicable to :

**Manufacturing of Power Switching Equipment.**

Certificate number : **GR17300232**

Initial certification date : 14-February-2017

Certificate transfer date : 23-September-2017 | Certificate valid till : 13-February-2020

1<sup>st</sup> Surveillance due before : 13-February-2018 | 2<sup>nd</sup> Surveillance due before : 13-February-2019

For the issuing office

**GABRIEL REGISTRAR**

P.O. Box: 133162, Abu Dhabi,  
United Arab Emirates.

Authorized Representative



CB-MS-51707270105

[Full Member of IAF]

Accredited by United Accreditation Foundation [UAF]  
3510, Colmar, Norfolk 23509, VA, United States of America [USA]

Lack of fulfillment of conditions as set out in the certification agreement may render this certificate invalid. This certificate remains valid while the holder maintains the management system in accordance with the standard(s) above, which will be audited through surveillance audits. This certificate remains the property of Gabriel Registrar. To check certification status: [www.gabrielregistrar.com](http://www.gabrielregistrar.com)



GABRIEL REGISTRAR





**GABRIEL  
REGISTRAR**



## Certificate of Registration

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# Sama Al Emirate Electrical Panels Manufacturing L.L.C

P.O. Box: 54323, Plot No. 9, M-14, Mussafah Industrial Area, Abu Dhabi, United Arab Emirates.

has been assessed and registered by Gabriel Registrar as conforming to the requirements of :

## ISO 14001:2015 (Environmental Management System)

The Environmental Management System is applicable to :  
**Manufacturing of Power Switching Equipment.**

Certificate number : **GR17300233**

Initial certification date : 14-February-2017

Certificate transfer date : 23-September-2017 | Certificate valid till : 13-February-2020

1<sup>st</sup> Surveillance due before : 13-February-2018 | 2<sup>nd</sup> Surveillance due before : 13-February-2019

For the issuing office

**GABRIEL REGISTRAR**

P.O. Box: 133162, Abu Dhabi,  
United Arab Emirates.

Authorized Representative



CB-MS-51707270304

[Full Member of IAF]

Accredited by United Accreditation Foundation [UAF]  
3510, Colmar, Norfolk 23509, VA, United States of America [USA]

Lack of fulfillment of conditions as set out in the certification agreement may render this certificate invalid. This certificate remains valid while the holder maintains the management system in accordance with the standard(s) above, which will be audited through surveillance audits. This certificate remains the property of Gabriel Registrar. To check certification status: [www.gabrielregistrar.com](http://www.gabrielregistrar.com)



GABRIEL REGISTRAR





**GABRIEL  
REGISTRAR**



## Certificate of Registration

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# Sama Al Emirate Electrical Panels Manufacturing L.L.C

P.O. Box: 54323, Plot No. 9, M-14, Mussafah Industrial Area, Abu Dhabi, United Arab Emirates.

has been assessed and registered by Gabriel Registrar as conforming to the requirements of :

## **OHSAS 18001:2007** **(Occupational Health and Safety Management System)**

The Occupational Health and Safety Management System is applicable to :

**Manufacturing of Power Switching Equipment.**

Certificate number : **GR17300234**

Initial certification date : 14-February-2017

Certificate transfer date : 23-September-2017 | Certificate valid till : 13-February-2020

1<sup>st</sup> Surveillance due before : 13-February-2018 | 2<sup>nd</sup> Surveillance due before : 13-February-2019

For the issuing office

**GABRIEL REGISTRAR**

P.O. Box: 133162, Abu Dhabi,  
United Arab Emirates.

Authorized Representative



CB-MS-71707270504

[Full Member of IAF]

Accredited by United Accreditation Foundation [UAF]  
3510, Colmar, Norfolk 23509, VA, United States of America [USA]

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GABRIEL REGISTRAR





**AUTHORISED CHANNEL BUILDER LETTER**

**FROM ABB**

ATTN:  
Sama Al Emirate Electrical Panels Manufacturing LLC  
Abu Dhabi, United Arab Emirates

YOUR REF : -  
OUR REF : 32165  
DATE : June 19, 2017  
DEALT WITH BY : Vinayak Joshi

**Authorized Channel Partner United Arab Emirates**

Dear Sir,

This letter is issued at the request of Sama Al Emirate Electrical Panels Manufacturing LLC, P.O. Box 4330, Abu Dhabi, United Arab Emirates. Sama Al Emirate Electrical Panels Manufacturing LLC and ABB Industries L.L.C. ("ABB") have entered into a third party channel agreement dated June 19, 2017 (the "Agreement"). Sama Al Emirate Electrical Panels Manufacturing LLC have agreed to incorporate ABB LV components supplied by ABB according to the terms of the Agreement and as such are approved by ABB as a panel builder of the ArTu-K low voltage switchgear until the expiry or termination of the Agreement. Sama Al Emirate Electrical Panels Manufacturing LLC is an ABB Authorized Channel Partner year 2017.

ArTu is an LV switchgear system designed and certified as a Type Tested Assembly (TTA) as per the latest IEC standards.

The Agreement and this letter are valid until the expiry or termination date of the Agreement and shall only be extended at the sole and absolute discretion of ABB upon expiry.

The information in this letter is provided in good faith, and every reasonable effort is made to ensure that it is accurate and up to date. In no event shall ABB be liable for any damage arising, directly or indirectly, from the use of the information contained in this letter including damages arising from inaccuracies, omissions or errors.

Please do not hesitate to contact the undersigned for any questions or support you may require for the above.

Yours faithfully,



Roberto Invernici  
Product Marketing Director  
ABB Industries LLC




Gianandrea Bruzzone  
General Manager  
ABB Industries LLC





**ADDC VENDOR LIST**

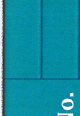
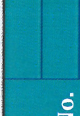


شركة أبوظبي للتوزيع  
Abu Dhabi Distribution Co.

## ABU DHABI DISTRIBUTION COMPANY



### Approved Low Voltage Switchgear Vendor List

Sr. No.	Product Reference		Manufacturer Name & Address		ADDC Approval Letter Reference	Date of Approval / Expiry
	Approved Model/Type of Assembly with Current Rating	Busbar Size	Country of Origin			
<b>A Product Group LV01 - MDB, SMDB and Final DB</b>						
<b>1 ABB P.O. Box 11070, Dubai, UAE Tel: 04-340 1777, Fax: 04-340 1771</b>						
	1- PH - CU- MCB FOR	2mm Busbar	70A 19 X 2	ABB ARAB FACTORY EGYPT	ADDC/LVSGC/16/7780766998	30-May-2016
	1- PH - CU- RCBO FOR	2mm Busbar	90A 19 X 2			
	1- PH - CU- MCB FOR	3mm Busbar	70A 19 X 3			
	1- PH - CU-RCBO FOR	3mm Busbar	90A 19 X 3			
	GDMR25-308MA02 (1SKS 708242C35002) Incoming Circuit Breaker: ABB SACE.TSN 400 MCCB (In. 320A)		250A 1x30x10	EGYPT	ADDC/LVSGC/16/9626687996	<b>25-Oct-2016</b>
	125A Mini-center compact - Distribution Board 8+6 way, flush mounted, split busbar & no ventilation		115A 2X10X2	EGYPT	ADDC/LVSGC/16/5287702581	25-Oct-2016
	125A Mini-center compact - Distribution Board way, flush mounted, single section busbar & no ventilation		115A 2X10X2			
	125A Mini-center compact - Distribution Board 8+6 way, flush mounted, split busbar & no ventilation		100A 2X10X2	KSA	ADDC/LVSGC/16/2847203039	25-Oct-2016
	125A Mini-center compact - Distribution Board way, flush mounted, single section busbar & no ventilation		100A 2X10X2			
	ArTu K 4000A (ACB ABB)		4000A			
	ArTu K 3200A (ACB ABB)		3x120x10 3200A			
	ArTu K 2500A (ACB ABB)		3x100x10 2500A	UNITED ARAB EMIRATES	ADDC/LVSGC/16/3424511638	25-Oct-2016
	ArTu K 1600A (ACB ABB)		2x100x10 1600A			
	ArTu K 1250A (ACB ABB)		2x60x10 1250A			
	ArTu K 800A (MCCB ABB)		80x10 800A			
	ArTu K 400A (MCCB ABB)		50x10 400A			
	Mirage 250A GDMR25-308, 400A with incoming MCCB/ABB TMAX		30 x 10 250A			
	Mirage 400A with incoming 400A MCCB/ABB TMAX		400A			
	Mirage 630A with incoming 600A MCCB/ABB TMAX		30 x 10 630A			
			2 x 30 x 10			





**APPROVAL FROM CLIENTS**

	Reference No رقم المرجع <b>MTS A 0001</b>	<b>UAE ARMED FORCES</b> القوات المسلحة لدولة الامارات العربية المتحدة			
	Date التاريخ 17-Oct-17	<b>COMMAND OF MILITARY WORKS</b> قيادة الأشغال العسكرية			
<b>طلب اعتماد مواد</b> <b>MATERIAL SUBMITTAL</b>					
CMW-10097-P001-MTS-A-0001	Full مرجع الوثيقة الكامل Document Reference	P001	-	10097	رقم العقد Contract No.
أعمال توصيل التيلر الكهربائي لعدد (3) حظائر بمعسكر الهمهام برأس الخيمة					إسم العقد Contract Name
Command of Military Works	To إلى	Switchgear Electromechanical L.L.C.		From من	
<b>MATERIAL SUBMITTAL - LV MDB &amp; DB's</b>					<b>SUBMITTAL TITLE</b> عنوان التقديم
منطقة	مستوى الطابق F. Level			المنشأة Facility	
CSI ID	WBS ID			التخصص Discipline	
Alternative (attach support documents) (إرفق الوثائق الداعمة) بديل <input checked="" type="radio"/> Complies with Contract documents متوافقة مع وثائق العقد <input type="radio"/> <b>Compliance</b> لمطابقة					
Not Provided لم تقدم <input checked="" type="checkbox"/> Provided قدمت <input type="checkbox"/> <b>Sample</b> عينة					
الحالة Status	رقم جدول الكميات / المواصفات / المخططات Ref to BOQ / Specs / Dwgs	الشرح الكامل / الأحجام / التفاصيل Full Description / Sizes / Details		رقم Ser.	
	BOQ Ref) 3A, 3B, 3C (Specifications & Drawings Attached)	LV MDB & DB's (ABB Make)		1 2 3 4	
يجب على المقاول أن يشهد بأن كل المعلومات التي أصدرت تحت هذا التقديم قد تم مراجعتها والتحقق منها ووجدت مطابقة مع وثائق العقد ما لم يتم التأشير عليها أعلاه بأنها بديل مع توضيح سبب استبدال المواد التعاقدية. * الحالة يجب تعطي بواسطة المراجع الأخير. The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above with explaining the reason of replacing the contractual Materials. * To be filled by the FINAL Reviewer ONLY using the key Code below					
<b>أنشأت من قبل</b>					
Issuer 17-Oct-17 التاريخ Date		التوقيع Signature		الاسم Name Mr. Mohamed Kamal	
<b>SUBMITTAL REVIEW &amp; COMMENTS</b>					
Site Engineer / Consultant Site Engineer مهندس الموقع / مهندس الموقع الاستشاري					
① ABB from SES approved for this project only ② provide load schedule for new panels and resubmit along with panel from supplier					
التاريخ Date		التوقيع Signature		الاسم Name	
Specialist Engineer / Specialist Committee المهندس المختص / اللجنة المختصة					
<input type="checkbox"/> مرفوض D = REJECTED	<input type="checkbox"/> يراجع و يعاد تقديمه C = REVISE & RESUBMIT	<input checked="" type="checkbox"/> موافق مع الملاحظات B = NO OBJECTION AS NOTED	<input type="checkbox"/> موافق A = NO OBJECTION	حالة المراجعة (من خلال آخر موافق) Review Status (by Final Approver)	
التاريخ Date		التوقيع Signature		الاسم Name	
التاريخ Date		التوقيع Signature		الاسم Name	
التاريخ Date		التوقيع Signature		الاسم Name	
التاريخ Date		التوقيع Signature		الاسم Name	
<b>CONTRACTOR'S RECEIPT</b>					
Receiver	التاريخ	التوقيع		المقاول بالإستلام الاسم	



## **MATERIAL SUBMITTAL**

**DOCUMENT REF : SGE-CMW-10097-P001-MAT-001**

**MATERIAL : LV Distribution Boards**

**MAKE : ABB**

**CLIENT : Command of Military Works**

**CONTRACTOR : Switchgear Electromechanical L.L.C.**

**CONTRACT : CMW-10097-P001**

**PROJECT : Electrical Supply Works for (3) Hangars  
in Alhmham Camp at Ras Al Khaimah**



**SWITCHGEAR Electromechanical L.L.C**

**P. O. Box: 54323, Abu Dhabi, U.A.E.**

**Tel: 02-6338781, Fax: 02-6338782**

**Email: [services@swgrelmech.com](mailto:services@swgrelmech.com)**

**Website: [swgrelmech.com](http://swgrelmech.com)**





PROJECT NAME:

**CMW-10097-P001, RAS AL KHAIMAH**

DOCUMENT TITLE:

**TECHNICAL SUBMITTAL FOR LV SWITCHGEAR**

MANUFACTURER:

**SAMA AL EMIRATE ELECTRICAL PANELS MANUFACTURING LLC (SES)**

CLIENT:

**COMMAND OF MILITARY WORKS**

CONTRACTOR

**SWITCHGEAR ELECTROMECHANICAL LLC**

ORIGINAL

Rev.	Description	Prepared	Checked	Approved	Date
0	FIRST ISSUE	GS	SR	VG	15-10-2017





# ADCE

أبوظبي التجاري للخدمات الهندسية  
Abu Dhabi Commercial Engineering Services

## REGISTRATION CERTIFICATE

Issue Date: 16 October 2017

We ADCE hereby register the Supplier: **Sama Al Emirate Electrical Panels Manufacturing LLC**

ADCE Registration Number: **SP-0135**

With the following Materials:

- **MDB/ LV Panels MCC From 4 Type-6 Enclosure {ABB, Europe}**
- **SMDB/ MCC Above 800A and 1000A form-2 Type-2 Enclosure {ABB, Europe}**
- **DB - Split and Straight Surface / Flush {ABB, Europe}**
- **ATS up to 1000A Enclosure {ABB, Europe}**
- **MCCB {ABB, Europe}**
- **SMDB up to 630A {ABB, Europe}**
- **MCC up to 630A Pan Assembly Enclosure {ABB/ALFANAR/EQLT, Europe/ UAE} {ABB, Europe}**
- **Capacitor Bank {ABB/ CIRCUTOR/ EPCOS, Europe}**
- **ACBS {ABB, Europe}**
- **MCB SP and TP- ELCB 2P and 4P- Isolators Modular Power Contactors- MODU Contactor OLR {ABB, Europe}**

Note:

- 1) It is the role of the Consultant to select materials from the registered list.
- 2) The specifications of the selected materials are the sole responsibility of the Consultant.
- 3) Nothing in this Registration Certificate absolves the Supplier or the Consultant from any liability towards any party. ADCE does not make any warranty or representation as to the quality, fitness for purpose, or suitability of the Materials and shall not be liable to any party for any loss including but not limited to the financial condition of the Supplier, the performance and observance by the Supplier or the Consultant of any contract or arrangement, or the accuracy of any statements made by the Supplier or the Consultant. Any representations or warranties implied by law are excluded. The issuing of this certificate does not confer any authority upon the Supplier or the Consultant.
- 4) This certificate is valid for one year from issue date.

Registration Review Committee Signature 1



Registration Review Committee Signature 2



**PROJECT LIST**





LVP  
**Major Reference List of Projects**

## Mega Projects



### Burj Khalifa-

- *Client* – Emaar Properties
- *Consultant*- SOM /Hyder
- *Contractor* –JV-ETA/Voltas/Hitachi
- *Channel partner* –ABB
- *Scope of Supply* :  
 ArtuK, MDB, SMDB, LV products

## Mega Projects



### Dubai Metro

- *Client* : Road Transport Authority
- *Consultant* : Atkins/Systra
- *Contractor* : ETA-SET
- *Scope of Supply* : ArTuK System & LV Products

## Mega Projects



### Meydan Horse Racing City

- *Client* – Meydan Dubai Racing Club
- *Consultant*- CKR
- *Contractor* - Al Hani - KBK - CAN – JV-Trans gulf
- *Scope of Supply* – ArTuK systems & LV Products



### Dubai Marina Mall & Hotel

- *Client* – Emaar
- *Consultant*- Meinhardt
- *Contractor* –ETA-MNE
- *Scope of Supply* – LV products

## Mega Projects



### Index Tower

- Client – Union Properties
- Consultant- WSP
- Contractor –BK Gulf
- Scope of Supply– LV products



### Golden Mile

- Client – IFA
- Consultant- CKR
- Contractor –Drake & Skull
- Scope of Supply– LV products

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**ABB**

## Mega Projects



### Emerald Palace Hotel

- Client – Emerald Group
- Consultant- Atkins
- Contractor - Al Hathboor -Specon
- Scope of Supply – ArTuK & LV Products



### Mall of Emirates

- Client – Majid Al Futaim
- Consultant- WSP
- Contractor –International Electromechanical Services
- Scope of Supply– Artu K, LV products

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**ABB**

## Mega Projects



### Etihad Towers

- Client – H.H. Sheikh Suroor Bin Moh'd Nahyan
- Consultant- Cansult Maunsell
- Contractor - ACC
- MEP Contractor – Voltas Limited
- Scope of Supply – Artu K, LV Products

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## Mega Projects



### Capital Plaza

- Client - REISCO
- Consultant- CRSS
- Contractor - MAPCO
- Scope of Supply – Artu K, LV Products



### Ferrari Experience 1

- Client - Aldar
- Consultant- IBA
- Contractor - Voltas
- Scope of Supply- Artu K, LV Products

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## Mega Projects



### New Central Market

- Client – Aldar
- Consultant- BDSP
- Contractor - MAPCO
- Scope of Supply – Artu K, LV Products



### Buildings by DAMAN

- Client - DAMAN
- Consultant- Arif & Bintok
- Contractor - Al Habtoor Specon
- Scope of Project – Artu System & LV Products

## Mega Projects



### Yas Marina

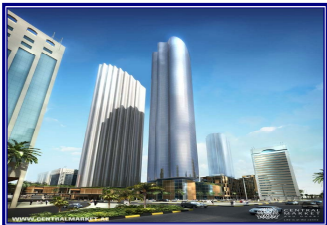
- Client – Aldar
- Consultant- RED
- Contractor – BK GULF
- Scope of Supply – Artu K, LV Products



### Al Zeina

- Client - Aldar
- Consultant- Pill Frischmann
- Contractor - BK Gulf
- Scope of Project - Artu K, LV Products

## Mega Projects



### Central Market – T2,T3

- Client – Aldar
- Consultant- BDSP
- Contractor – Voltas
- Scope of Supply – Artu K, LV Products



### Sorbonne University

- Client - Mubadala
- Consultant- Obermeyer
- Contractor - Al Habtoor SPECON
- Scope of Project - LV Products

## Mega Projects



### Barwa Commercial Avenue

- Client – Barwa
- Consultant- Mauncell/Cansult
- Contractor – Mercury / ETA / AAC
- Scope of Supply – Artu K, LV Products



### Barwa City

- Client – Barwa
- Consultant- Mauncell/Cansult
- Contractor – Voltas
- Scope of Supply – Artu K, LV Products

## Mega Projects



### NDIA –CP 26

- Client – Qatar Civil Aviation Authority
- Consultant- Overseas Bechtel, Inc
- Contractor - ADCC/JV
- Scope of Project - Artu K, LV Products



### Al Udeid Air Base

- Client - Qatar Armed Forces
- Consultant- White & Young
- Contractor - Mapco/Voltas
- Scope of Project - Artu K, LV Products

## Mega Projects



### Doha City Centre – Ph-2

- Client – Majid Al Futaim
- Consultant- MSCEB
- Contractor – ERE Contracting
- Scope of Supply – Artu K, LV Products



### Peal Qatar

- Client - United Development Co.
- Consultant- Dar Al Handasah Shair & Partners
- Contractor - J&P – AVAX S.A
- Scope of Project - Artu K, LV Products

## Mega Projects



### Bahrain City Centre

- Client – Majid Al Futaim
- Consultant- Mott McDonald
- Contractor – Comsip Al A'Ali
- Scope of Supply – Artu K, LV Products



### Muscat Airport

- Client – Civil Aviation
- Consultant- COWI - Larsen Joint Venture
- Contractor – Galfar Engineering & Contracting and L & T - Joint Venture
- Scope of Supply – Artu K, LV Products

## Hospital Projects



### Al Mafrq Dialysis Centre

- Client – SEHA
- Consultant- BURT HILL
- Contractor – ETA ASCON
- MEP Contractor – Transgulf Electromechanical
- Scope of Supply – ArTuK systems & LV Products

## Hospital Projects



### Harvard Medical School

- Client – Sama Dubai
- Consultant - Arif & Bintok
- Contractor – Transgulf Electromechanical
- Scope of Supply – ArTu System & LV Products

## Hospital Projects



### Sharjah Teaching Hospital Extension

- Client – Sharjah University
- Consultant - Cansel
- Contractor – GECO
- Scope of Supply – ArTu System & LV Products

## Hospital Projects



### Al Qassimi Hospital

- Client – Ministry of Public Works
- Consultant - UPA
- Contractor – Ali Moosa & Sons
- Scope of Supply – ArTu System & LV Products

## Hospital Projects



### Danat Al Emarat Hospital

- Client – United Eastern Medical Services
- Consultant - ECG
- Contractor – Drake n Scull
- Scope of Supply – ArTu System & LV Products



**LIST OF MACHINERY AND EQUIPMENT**

## List of Major Machineries And Testing Equipments

S.N	Machine Name	QTY
<b>A</b>	<b>MACHINES:</b>	
1	COMPRESSORS SCREW TYPE	1 NO
2	BUSBAR MACHINE CUT, PUNCHING AND BENDING MACHINE	1 NO
3	SHEET METAL PUNCH PRESS MACHINE	1 NO
4	PEDESTAL DRILL MACHINE UP TO 22MM DRILL	2 NOS
5	CHARGING MACHINE	5 NOS
6	DRILLING MACHINE LIGHT DUTY	3 NOS
7	DRILLING MACHINE HEAVY DUTY	2 NOS
8	DISC CUTTING MACHINE	1 NO
9	DIN RAIL CUTTER	1 NO
10	PVC TRUNKING CUTTER	1 NO
11	VACUUM CLEANER BIG FOR FLOOR CLEANING	1 NO
12	VACUUM CLEANER SMALL FOR PANEL CLEANING	1 NO
13	BLOWER FOR DUST REMOVING	2 NOS
14	SHEARING MACHINE FOR MS / AL /PVC SHEET	1 NO
15	BENDING MACHINE FOR MS / AL /PVC SHEET	1 NO
16	HYDRAULIC PALLAT 2.5 TON	3 NOS
<b>B</b>	<b>TESTING EQUIPMENTS:</b>	
1	MEGGAR – 1000V	2 NOS.
2	HIGH VOLTAGE (DIE ELECTRIC TEST) 2.5 KV	1 NO
3	PRIMARY INJECTION KIT	1 NO
4	SECONDARY INJECTION TEST KIT FOR ACB	1 NO
5	SECONDARY INJECTION TEST KIT FOR MCCB	1 NO
6	MILIVOLT DROP TEST (CONTACT RESISTANCE TEST)	1 NO
7	CLAMP METERS	2 NOS
8	MULTIMETERS	2 NOS
9	EARTH LEAKAGE CIRCUIT BREAKER TEST KIT	1 NO
10	TORQUE WRENCH	4 NOS

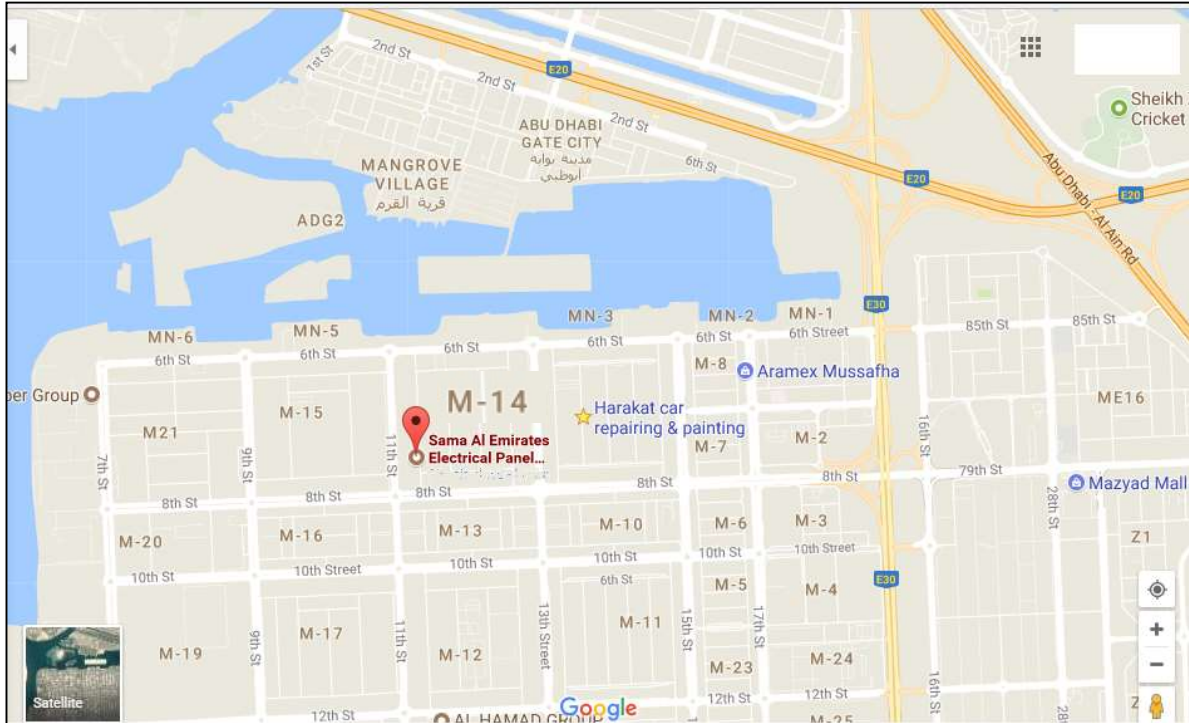
"Subsidiary of Dhafir Holding and Switchgear Electromechanical LLC"



**LOCATION MAP**



## LOCATION MAP



### SAMA AL EMIRATE ELECTRICAL PANELS MANUFACTURING LLC.,

Musaffah 14, Abu Dhabi, UAE


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