



PIS
GROUP

EARTHING & LIGHTNING

INTEGRATED PROTECTION PROFESSIONALLY DELIVERED

COMPANY PROFILE | 2026

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PIS



SECTION No.	PRODUCT	MANUFACTURER
		Automated Logic KMC Siemens honeywell
	BMS cables	Belden Paige B3 MESC
260519	Low Voltage Electrical Electrical Power Cables	EGYTEC (El Sewedy) Giza Cables Industries (GC3) General Cables- BICC Electro cable Egypt (ECE) Energys Cable Egypt cable - ECM
	Fire Resistance Cable	El Sewedy Giza Cables Industries (GC3) General Cables- BICC Prysmian Pirelli Draka Nexans
260526&	Grounding and Bonding For Electrical Systems &	ABB (Furse). Kingsmill. Wallis.
264113	Lightning protection system	Erico. PIS Professional for Integrated Solutions.

Division	Product	Manufacturers	Origin
DIVISION 26 ELECTRICAL WORKS	Low voltage Cable gland	Eaton (Wago)	USA
		CMP	UK
		Hawke	UK
		Stahl	Germany
		Thomas & Betts	USA
		Prysmian	UK
		HEX	India
		Cembre	Italy
		3M	USA
		Ducab	UAE
	Earthing and lightning protection system	AN Wallis	UK
		Furse	
		Kingsmill	
		HARGER	USA
		OBO - BETTERMANN	GERMANY
		PIS	EGYPT
		Erico	Germany
		OBO Bettermann	
	Raceways and Boxes for Electrical Systems Non-metal Conduits, Tubing and Fittings	Engineering home	Egypt
		Marshall-Tufflex	
		Eslon Egypt	
		Decoduct	
		Rehab	
		Clipsal (By Schneider)	UAE
		New Ega	KSA
		GM	Egypt
		Masr EL-Hegaz	Egypt
		Al-Amal (El-Sherif)	Egypt
		Masr EL-Nour	Egypt
		Wattania	Egypt
		EPS	EGYPT
		ALAA ELDIN PLASTIC	EGYPT
		Multiplast	UAE
	HDPE SUBDUCT	AYA	EGYPT
		Red sea	EGYPT
		Masr EL-Hegaz	EGYPT
		Hebeish	EGYPT
		الرواد	EGYPT
	Raceways and Boxes for Electrical Systems metal Conduits, Tubing and Fittings	Alex	China
		Metaksan	China
		POWER MARKET	EGYPT
		RANLIC	CHINA
		ALLIED	USA
		WHEATLAND	USA
		FLEXICON	UK
		Panasonic	THAILAND
		Smart Tube	Malaysia
		Rexway	
		Cairo Steel	Egypt
		Burn	Thailand

SAFETY AND MOTOR ISOLATORS (DISCONNECTS)

1-	GENERAL ELECTRIC	(U.S.A)
2-	WESTINGHOUSE	(U.S.A)
3-	SQUARE-D	(U.S.A)
4-	SIEMENS	(GERMANY)
5-	EATON	(U.S.A)
6-	LEGRAND	(FRANCE)

DISTRIBUTION TRANSFORMER

1-	ABB	(GERMANY)
2-	SIEMENS	(GERMANY)
3-	ELSWEDY	(EGYPT)
4-	SCHNEIDER	(FRANCE)
5-	EL MACO	(EGYPT)

EARTHING SYSTEM

1-	FURSE	(U.K)
2-	ERICO	(GERMANY)
3-	HARGER	(U.S.A)
4-	WALLAS	(U.K)
5-	PIS	(EGYPT)

LIGHTNING PROTECTION SYSTEM

1-	FURSE	(U.K)
2-	INDELEC	(FRANCE)
3-	HARGER	(U.S.A)
4-	WALLAS	(U.K)
5-	PIS	(EGYPT)



مشروع إنشاء إمداد مستشفى هيفين بأكثوبر		
قائمة الموردين المعتمدين لأعمال الكهرباء والتيار الخفيف		
بلد المنشأ	المصنع	البند
Egypt	Masr EL Hegaz	المواسير اكبر من ٢ بوصة
Egypt	El Sherif	
Egypt	Kesel	
Egypt	Smart	
OR EQUAL APPROVED		
Egypt	ENGINEEEING HOME	المواسير أقل من ٢ بوصة
Egypt	El Rehab	
Egypt	EGY-CON	
Egypt	New Ega	
OR EQUAL APPROVED		
USA	Wheatland	المواسير المعدنية
Egypt	Novo	
Thailand	Panasonic	
Egypt	Emeco	
Malaysia	Smart Tube	
OR EQUAL APPROVED		
UK	Gatic Neenah	غرف التفتيش
Egypt	Al Tawakol (NTT)	
OR EQUAL APPROVED		
France	Legrand (Arteor)	البرايز والمفاتيح
Italy	Btichino Matix	
Spain	GEWISS (ChoruSmart)	
Spain	Schneider Eelectric (Unica)	
OR EQUAL APPROVED		
Germany	Ackermann	العطب الأرضية
France	Legrand	
Spain	Schneider Eelectric	
OR EQUAL APPROVED		
Germany /Finland	ABB	مفاتيح الفصل على الحمل
France	Socomec	
France	Schneider Eelectric	
France	Legrand	
France	Katko	
OR EQUAL APPROVED		
UK	Furse	أنظمة الارضى
UK	Wallis	
Germany	Erico	
Egypt	PIS	
OR EQUAL APPROVED		

المشروع : مدينة RAVILLE**قائمة الموردين المعتمدين لأعمال انارة الموقع العام**

المصنع	بلد المنشأ	البند
Masr EL Hegaz	Egypt	المواسير اكبر من 2 بوصة
El Sherif	Egypt	
Kesel	Egypt	
Smart	Egypt	
OR EQUAL APPROVED		
بيت الهندسة	Egypt	المواسير اقل من 2 بوصة
El Rehab	Egypt	
EGY-CON	Egypt	
New Ega	Egypt	
OR EQUAL APPROVED		
Gatic Neenah	UK	غرف التفتيش
Al Tawakol (NTT)	Egypt	
OR EQUAL APPROVED		
Furse	European Union	أنظمة الارضى
Wallis	European Union	
Erico	European Union	
PIS	EGYPT	
OR EQUAL APPROVED		
السويدي	Egypt	اعمدة الانارة
البابطين	Egypt	
NTT	Egypt	
OR EQUAL APPROVED		

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الرجاء إرسال بطاقة إلى مدير مركز
c.a.1919

LIST OF RECOMMENDED MANUFACTURER

Provide products by one of the followings manufactures, other manufactures products of equivalent quality, dimensions and operating features may be submitted during tendering stage with the bid documents to be considered through technical evaluation. The final acceptable list of manufacturers shall be as issued with documents for constructions and no alternative of other materials and or products shall be acceptable in construction stage.

Section No.	PRODUCT	MANUFACTURER	COUNTRY
16060 & 16670	Earthing and lightning protection System	Furse Kingsmill Wallis Erico PIS	UK UK UK USA Egypt
16120 & 16124	Wires And Cables	EGYTEC (El Sewedy) Energys Cables Giza Cables Industries Electrocable (Egypt Co.) International cables Egypt Cable BICC Elwady cables	Egypt Egypt Egypt Egypt Egypt Egypt Egypt Egypt
16130	Raceway , Boxes , Underground UPVC Conduits And Galvanized Steel Conduits For Electrical Systems	Clipsal –floor boxes Cimabox –floor boxes Emeco Egy.con Engineering Home Smart tube Burn Legrand Bticino New Ega Decoduct Marshall Tufflex El Rehab Steel city (for steel boxes) Thomas and betts (for steel boxes) Elsherif Misr elhegaz Misr el nour PSG EPS Smart home Elwatanya Panasonic Tasneem	UAE Spain Egypt Egypt Egypt Malaysia Malaysia France Italy Egypt UAE Egypt/UK Egypt USA USA Egypt Egypt Egypt Egypt Egypt Egypt Egypt Egypt Thailand Egypt

1-Contractor to follow the vendors mentioned in the following List or to provide equal or better alternative that shall be in full compliance with the design intent and technical specifications. The same shall be subject to Engineer's approval

PRODUCT	MANUFACTURER	ORIGIN
Conductors , Cable and Cables Accessories	1. El Sewedy Cables	Egypt
	2. Energya Cables	Egypt
	3. Giza Cables Industries	Egypt
	4. El Sewedy SEDCO	Egypt
Grounding and Bonding	1. ABB-Furse	UK
	2.Kingsmill	UK
	3.Erico	USA
	4.Wallis	UK
	5.PIS	Egypt
	6.Obbo Betterman	
UPVC Conduits, Boxes and Wall Trunking	1. Engineering Home	Egypt
	2. EPS	Egypt
	3. Marshall	Egypt
	4. Ega tube	KSA
	5. Decoduct	KSA
Galvanized Steel Conduits and Boxes	1. Allied	USA
	2. Wheatland	USA
	3. Burn	Malaysia
	4. Smart Tube	Malaysia
	5. Steel City Conduit Systems	USA
Flexible Conduits	1.Kopex	UK
	2.Dielectrix	Italy
	3.AFC	USA
Cable Trays, Ladder	1. Egytray	Egypt
	2. Energya Cables	Egypt
	3. Altawakol Ntt	Egypt
	4. Emeco Tray	Egypt
Medium Voltage Dry Type Distribution Transformers	1.ABB	Egypt
	2. El Sewedy Electrical Products	Egypt
	3. Egytrafo	Egypt

- A- In Case of non availability of any material approved from approved suppliers due to any conditions contractor shall provide a confirmation letter from approved supplier/vendor state that the approved material .not available due to (Mention the reason) hence consultant and owner have rights to directed the contractor to follow another vendor or a specific one .
- B. In case of any deviation from Specifications and specified performance requirements, Engineer has the right to request further testing in an approved independent laboratory on Contractor's Expenses to demonstrate that the product manufactured is equivalent in all respects to the product manufactured by the original company. In addition, if such deviation occurs after award the Project to the Tender, a cost reduction may be applied as a result of such deviation according to Engineer's assessment.
- C. Contractor shall not supply without a written approval of Engineer.

ELECTRICAL & COMMUTATIONS

No. Section	PRODUCT	MANUFACTURER	COUNTRY
DIVISION 26: Electrical			
16060,16061	Earthing and Lightning Protection System	Furse	UK
		Wallies	UK
		Erico	Germany
		PIS	Egypt



ACE CONSULTING ENGINEERS
MOHARRAM.BAKHOUM

* ميدان الجمهورية المتحدة

الدقي - الجيزة - ج.م.ع.

ص.ب. ٦٢ ، الدقي

تليفون ٢٠٢ ٣٣٣٧ ٧١٢٠

فاكس ٢٠٢ ٣٧٤٩ ٨٢٥٤

5 El-Gomhuria El-Mottaheda Square

Dokki, Cairo, Egypt

P.O. Box 62, Dokki

Tel +202 3337 7120

Fax +202 3749 8254

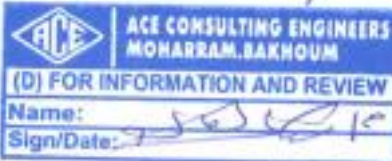
www.ace-mb.com

القاهرة في 2022/12/5

لمن يهمه الأمر

يشهد مكتب المهندسون الإستشاريون العرب محرم - باخوم أنه لا مانع من اعتماد
شركة بروفیشنال للحلول المتكاملة للتجارة والمقاولات في أعمال أنظمة الحماية من الأرضي
والصواعق منتج PIS المحلي
ولامانع من ادراج الشركة وتضمينها في vendor list الخاصة بالمكتب وهذه شهادة منا بذلك .
وتفضلوا بقبول فائق الإحترام والتقدير.....

المهندسون الإستشاريون العرب
محرم - باخوم



التاريخ : ٢٠٢٣/١١/٠٨

السادة شركة : PIS FOR INTEGRATED SOLUTIONS

عناية المهندس : محمد يحيى محمد

بالإشارة إلى طلبكم الخاص بإعتماد منتج PIS المحلي والمتخصص في أنظمة الأرضي والصواعق وبناء على
الكتالوج الفني المقدم وبناء على شهادات الاختبار المقدمة والمطابقة للأكواد العالمية الآتية :

- IEC 62561 – 2 :2018
- UL 467
- BS 7430:2011 / BS 7430 2015:A+
- EGYPTION CODE NOV.2004
- IEC62305- 62205 – IEC 61400- 24:2010
- NFPA 780
- NFC17 – 102

لذا فلا مانع لدينا من اعتماد المنتج ضمن قائمة المنتجات المعتمدة لدينا وذلك دون أدنى مسؤولية على المكتب

انجنييرنج كونسلتنج بيرو ECB

AMS
8/11/23

د.م. استشاري / أيمن الحضري

المدير التنفيذي



8/11/2023



2 Al Imam Abou Hanifa St., 9th Floor,
Al Hay Al Sabea, Nasr City, Cairo, Egypt
Tel.: 02-24013225
Fax: 02-24013226



info@ecb-consulting.com

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٢ شارع الإمام أبو حنيفة - الدور التاسع - الجي السابع
مدينة نصر - القاهرة - مصر
تليفون : ٠٢-٢٤٠١٣٢٢٥
فاكس : ٠٢-٢٤٠١٣٢٢٦

السادة : شركة PIS FOR INTEGRATED SOLUTIONS

عناية المهندس : احمد اسماعيل خطاب

- بالاشارة الى طلبكم الخاص باعتماد منتج PIS المحلى والمتخصص فى أنظمة الحماية من الأرضى والصواعق وبناء على الكتالوج الفنى المقدم وبناء على شهادات الاختبار المقدمة والمطابقة للأكواد العالمية الاتية:

- IEC 62561 – 2 : 2018
- UL 467
- BS 7430:2011 / BS 7430 2015:A +
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- NFPA 780
- NFC 17 – 102

لذا فلا مانع لدينا من اعتماد المنتج ضمن قائمة المنتجات المعتمدة لدينا وذلك دون أدنى مسئولية على المكتب

يعتمد

28/10/2022





PROFESSIONAL
INTEGRATED SOLUTIONS

بروفيشنال للحلول المتكاملة للتجارة والمقاولات

التاريخ : 2024/3/20

عناية م / احمد بسيوني

Sites International / السادة

الموضوع : اعتماد منتجات شركة بي أي اس الخاصة بأنظمة الأرضي والحماية من الصواعق .

تحية طيبة وبعد...

نرجو من سيادتكم التكرم والموافقة علي اعتماد منتجات شركة بي أي اس بروفيشنال للحلول المتكاملة للتجارة والمقاولات بخصوص الانظمة الاتية:

1- نظام الحماية الأرضية (PIS)

2- نظام مانعة الصواعق (PIS)

وذلك وفقا للاكواد التالية

UL467-

IEC62561-2/2018-

BS7430:2015A1-

-الكود المصري

NFPA 780-

IEC62305-62205 -

IEC61400-24:2010 -

المرفقات

سابقة الاعمال

Master Catalogue

شهادات معمل الفلزات المحلية

شهادات UL -Earthing

شهادات UL-Lightning



وتفضلوا بقبول فائق الاحترام

مدير عام شركة (PIS) محلي

مقدمة لسيادتكم

شركة بي أي اس بروفيشنال للحلول المتكاملة للتجارة والمقاولات

يعتمد

مدير عام الشركة

احمد إسماعيل خطيب



PROFESSIONAL
INTEGRATED SOLUTIONS

البيع المتخصص في أنظمة الحماية من الأرض، الصواعق
وبعد الاطلاع على المواصفات (التي أرفقها المنتج
فإنه لا مانع من اعتماد المنتج ضمن قاعده
المنتجات المعتمده لدينا ومن ادنى مسؤوليه على الملتب
م. د. محمد سليمان (مستشار استراتيجي)
24/3/2024

POWER SYSTEMS		
System	Approved manufacture	Notes
Lightning And Earthing		
	PIS	

القاهرة في : 2022/11/28 م

شهادة

بعد دراسة منتجات (PIS) محلى الصنع المتخصصة في أنظمة الحماية من الأرضي والصواعق وبعد الإطلاع على شهادات اختبار المنتج ، يشهد كيم كونسلت جروب أنه لا مانع من اعتماد المنتج بمشروعات المكتب وفقاً لقائمة المصنعين المعتمدين بالمشروعات والمواصفات الفنية لكل مشروع .

وهذه شهادة منا بذلك دون أدنى مسئولية على المكتب

كيم كونسلت جروب

م. إستشاري / محمد عبدالحليم



٢٠٢٣/١٠/٠٢ هرة في

لمن يهمة الأمر

مكتب إيفكت للاستشارات الهندسية أنه لا مانع من اعتماد شركة P.I.S لأتمام أعمال التأسيس على أن بالكود المصرى ومواصفات شركة التوزيع التابع لها المشروع .

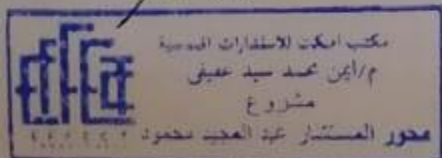
بائع من ادراج الشركة وتضمينها Vendor list الخاصة بالمكتب وهذه شهادة منا بذلك

وتفضلو بقبول فائق الاحترام والتقدير ...

مكتب افكت للاستشارات الهندسية

م / مصطفى محمد محمود

التوقيع /



LIST OF MANUFACTURERS

Each Tenderer shall choose one manufacturer from the manufacturer's short-list.
No change shall be made to the chosen manufacturers after receipt of the Tenders.

PRODUCT	MANUFACTURER	COUNTRY
Grounding and Bonding / Lightning Protection	Furse	UK
	Kingsmill	UK
	Amper	UK
	Erico	Germany
	Professional Integrated Solutions (PIS)	EGYPT
	Wallis	UK
Conductors and Cables	EGYTEC (El Sewedy)	Egypt
	Energys Cables	Egypt
	Giza Cables Industries	Egypt
	BICC	UK
Medium voltage Cables	EGYTEC (El Sewedy)	Egypt
	Energys Cables	Egypt
	Giza cables	Egypt
	International Cables	Egypt
UPVC Conduits, Boxes and Wall Trunking	Bait El Handasah	Egypt
	Marshall Tufflex	Egypt
	Deco Duct	UAE
	Ega Tubes	UK
	New Ega	Egypt
Galvanized Steel Conduits and Boxes	Allied (for Conduits and Accessories)	USA
	Burn (for Conduits and Accessories)	USA
	Wheatland (for Conduits and Accessories)	USA
Flexible Conduits	Flexicon	Australia
	Kopex	UK
	Dielectrix	Italy
	AFC	USA
Cable Trays	Egy-tray	Egypt
	NTT Al-Tawakol	Egypt
	El-Sewedy	Egypt
	NOVO	Egypt
	EMECO	Egypt



VFD (جهد متوسط)

#		
1	ABB	EUROPE
2	SCHNEIDER	EUROPE
3	ROCKWELL (ALLEN BRADLEY)	USA

نظام الارضي

#		
1		
2		
3		
4		
5		
6		
7		
8	PROFESSIONAL	LOCAL
9		

انذار الحريق

#		
1	THORN	إستيراد
2	HONEY WELL	إستيراد
3	HST	إستيراد
4	HOCHIKI	USA
5	COOPER	إستيراد
6	DETECTFIRE	إستيراد
7	NOTIFIER	إستيراد
8	EST/ EDWARDS	UK
9	MIRCOM	إستيراد
10	SECUTRON	إستيراد
11	APOLLO	USA
12	SIMPLEX	إستيراد
13	VES	إستيراد
14	C-TEC	إستيراد
15	CONTEXT PLUS	إستيراد
16	GENT	إستيراد
17	ETS	USA

المشروع: اعمال المرافق للمقطعة رقم (١) بالمنطقة الصناعية

الثالثة مدينة ٦ أكتوبر - الجيزة

عقد رقم: ١٤٧٤

مقاولة: شركة سامكرت (مهندسون ومقاولون).

الموضوع: اعتماد الشركات الموردة للمهمات الكهربائية

للجهد المنخفض والمتوسط

السيد المهندس / احمد عيسى

مدير المشروعات - شركة سامكريت مهندسون ومقاولون

نحية طيبة وعد،

بالإشارة إلى الموضوع عالية وإلى خطاب سيادتكم بتاريخ ٢٠٢٦/٢/١٠ بخصوص اعتماد الشركات الموردة للمهمات الكهربائية للجهد المنخفض والمتوسط.

يرجى التفضل بالإحاطة بالآتي:-

- نظام الأرضي من شركة PROFESSIONAL INTEGRATED SOLUTIONS(PIS) مقبولة فنيا.
 - أعمدة ائارة الشوارع من انتاج شركة ALTAWAKOL NTT مقبولة فنيا.
 - كشك كهرباء (KIOSK) من شركة EMAS مقبولة فنيا.
 - لوحات الجهد المنخفض الخاصة بالخزان الأرضي وائارة الشوارع من شركة EMAS مقبولة فنيا.
 - موزع الكهرباء (MVSG) من شركة EMAS مقبولة فنيا.
 - لوحات الربط الحلقي (RMU) من شركة EMAS مقبولة فنيا.
 - المحول الزيتي (OIL TRANSFORMER) من شركة EGYTRAFO مقبولة فنيا.
 - إعادة تقديم العرض الفني للوحة الجهد المنخفض العمومية للمحولات بعد إضافة قاطع MCCB سعة ٤٠٠ امبير وإضافة خلية تحسين معامل القدرة لمحول سعة ١٠٠٠ ك.ف.أ.
 - يلتزم الشركة باعتماد المهمات الكهربائية للجهد المنخفض والمتوسط من شركة توزيع الكهرباء المختصة قبل التوريد والتركيب.
 - تقديم النوتة الحسابية لنظام الأرضي للاعتماد قبل التوريد والتركيب.
 - مرفق طيه عدد (١) نسخة من الرسومات التنفيذية مقبولة فنيا.
- وتفضلوا بقبول فائق الاحترام،**

وتفضلوا بقبول فائق الاحترام،

قطاع المشروعات الصناعية

- تحریر افی: ۲۰۲۶/ ۲ / ۱۷

(مهندس / أسامة شكرى عبد الفتاح)

- عدد (١) نسخة للسيد المهندس / يحيى فرج عبد القوى - رئيس الإدارة المركزية لمشروع
- صدارة م. المصطفى محمد / مدير التجهيز

العنوان: ١٤ شارع الأنفي، عمارة الثورة، القاهرة

تليفون : ٩٥٨٨٢٦٩٧ ، ٩٥٨٨٢٦٩٥ (٣-٤)

+ (۲۰۲) ۲۵۸۹۵۲۱۶, ۲۵۹۳۱۲۶۵ فاکس

www.lmpa.gov.cc

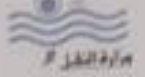


(إِنَّ اللَّهَ يُحِبُّ إِذَا عَمِلَ أَحَدُكُمْ عَمَلًا أَنْ يُتْقِنَهُ)

القاهرة في : ١٩٨١
ملف رقم :
الموضوع :

٩٢٠
٢٠٢٢/٢٧

الهيئة القومية للإنفاق
NATIONAL AUTHORITY FOR TUNNELS



السادة / شركة بي اى اس للحلول المتكاملة للتجارة والمقاولات

٤٢ ش احمد فخرى - مدينة نصر

ت : ٠١١١١٣٥٤٤٥١٢

تحية طيبة وبعد ...

بالإشارة إلى خطابكم بخصوص تسجيل شركتكم فى سجل الموردين والمقاولين بالهيئة فى المجالات الآتية .

- ١ - أنظمة الحماية لشبكات الارضى والصواعق لمحطات التوزيع والضغط المتوسط والضغط العالى .
- ٢ - أنظمة انذار الحريق ومكافحة الحريق .
- ٣ - المنتجات الكهربائية والاكسسوارات .

وحيث تم سداد الرسوم المقرره بمبلغ ٥٠٠٠ جـم بايصال رقم ٧٥٠ بتاريخ ٢٧/١٢/٢٠٢٣

نحيط سيادتكم علما بأنه تم استكمال الاجراءات واصبحت شركتكم مقيدة فى سجل الموردين والمقاولين بالهيئة .

وتفضلوا بقبول فائق الاحترام ...

التوقيع :
محاسب / محمد سيد منصور

رئيس الإدارة المركزية للشئون المالية والتعاقدات

الهيئة القومية للإنفاق
الأرشييف
رقم الصادر ٢٠٢٢
التاريخ ٢١/١٢
المرفقات
التوقيع



PREVIOUS CONSULTANT APPROVALS

PROJECT DOCUMENTATION
& APPROVAL RECORDS



DOC. SUBMITTAL

El Nasr PH2 (DS-PH2-INFRA- GENRAL#01-REV00)

Date: 10/26/2025

Project : BLOOM FIELD		CONTRACT : EL Nasr			
Client: Tatweer Misr					
Project Manager :Tatweer Misr					
Consultant : SHAKER		PROJECT No.:			
From: El Nasr		To: SHAKER	Attn: Project Manager		
☒ 1st submission ☐ 2nd submission ☐ Further submission		Response required by: (Date)			
Categories SD: Shop Dwg. SM Sample GT Gurantee CT Certificates TT Test OT Other					
Previous Submittal No.:		Date: 26-Oct-25	Category : S.D		
Sr. No.	Document/Drawing /Specs. BOQ Ref.	Description	Rev.	Action	Category
1	earthing system calculation	earthing system calculation	00		DOC , sub mittal
Consultant / Engineer ☐ Architectural ☐ Structural ☐ Mechanical ☒ Electrical ☐ Plumbing ☐ Others					
Relevant Specification Section:					
THIS SUBMITTAL INTENDED FOR ☒ Approval / Comments ☐ Information / Remarks					
Contractor :					
Eng.Bassam El Senosy		PM			
Name		Designation	Signature	Date	
Consultant: ☐ (A) Approved ☒ (B) Approved as noted ☐ (C) approved as noted and resubmit ☐ (D) Rejected					
Comments: 1- All calculation methods shall comply with the relevant standards and project specifications (e.g., IEC 62271-202/6.6, BS-7430:2011+A1:2015 or equivalent), and the reference standard used shall be clearly stated.					
2- The soil resistivity value shall be based on actual site measurements using an approved method (e.g., Wenner Method / Megger test), with the official test report attached.					
3- The final earth resistance value of the grounding system shall comply with project requirements and safety limits (typically ≤ 5 Ω for substations or ≤ 5 Ω for buildings).					
4- A detailed earthing layout drawing shall be submitted showing the locations of earth electrodes, conductors, and interconnections (earth grid, rods, plates, etc.).					
Haitham Emam		Consultant's Representative		28/10/2025	
Name		Designation	Signature	Date	
Client's comments:					
5- The type and size of earthing conductors shall be verified in accordance with the applicable standards and based on the calculated earth fault current.					
_____ _____ _____ _____					
Name		Client Representative Designation	Signature	Date	

ROUTING	DATE	SIGN
Delivered to RE		
Delivered to PM		
Returned to Contractor		



SHAKER
CONSULTANCY GROUP



GEN. SUBMITTAL



El Nasr PH2 (SD-PH2-INFRA- GENRAL#05-REV02)

Date: 18/12/2025

Project : BLOOM FIELD		CONTRACT : EL Nasr			
Client: Tatweer Misr					
Project Manager :Tatweer Misr					
Consultant : SHAKER		PROJECT No.:			
From: El Nasr		To: SHAKER	Attn: Project Manager		
☒ 1st submission ☐ 2nd submission ☐ Further submission		Response required by: (Date)			
Categories: SD: Shop Dwg. SM Sample GT Guarantee CT Certificates TT Test OT Other					
Previous Submittal No.:		Date: 18/12/2025	Category : S.D		
Sr. No.	Document/Drawing /Specs. BOQ Ref.	Description	Rev.	Action	Category
1	earthing system S.D.	earthing system S.D.	02		S.D
Consultant / Engineer					
☐ Architectural ☐ Structural ☐ Mechanical ☒ Electrical ☐ Plumbing ☐ Others					
Relevant Specification Section:					
THIS SUBMITTAL INTENDED FOR					
☒ Approval / Comments ☐ Information / Remarks					
Contractor :					
Eng.Ahmed Magdy		PM			
Name		Designation	Signature	Date	
Consultant:					
☐ (A) Approved ☒ (B) Approved as noted ☐ (C) approved as noted and resubmit ☐ (D) Rejected					
Comments:					
Follow the comments in attached drawing					
Contractor shall provide clean copy					
Haitham Emam		Consultant's Representative		24 / 12 / 2025	
Name		Designation	Signature	Date	
Client's comments:					
		Client Representative			
Name		Designation	Signature	Date	

ROUTING	DATE	SIGN
Delivered to RE		
Delivered to PM		
Returned to Contractor		

**MATERIAL SUBMITTAL FORM**

Contract Title	MAR-PH010040 REV00			
Contract No.				
Date Awarded		Contractor's Submittal No.	040	Rev. 0
Main Contractor	IPLUS	Specification Clause No.		
Sub Contractor		Planned Submission Date start from	4/11/2025	
Project Consultant	SHAKER			

Material Description:	Quantities:
EARTHING SYSTEM	1

1- Type 1-ML (T01) -	Manufacturer	Supplier	Applicator
Name	- EL-Sewady,ECE,BICC,Giza, Energys or equivalent For copper cable		
Location	Data Center		
Tel. No.			
Fax No.			
E-mail			

Proposed Application for this Contract

Contractor's QC & Material Engr.		Contractor's Deputy General Manager		Main Contractor	
Name	Engr.	Name		Name	
Date Prepared for Submission	4/11/2025	Date Checked for Compliance		Receiving Date	
Signature		Signature and Seal		Signature and Seal	

	Yes	No	N/A		Yes	No	N/A
1. Relevant Contract Spec. Attached				7. Safety Data Sheets Attached			
2. Relevant Contract Drawing Attached				8. Supplier's Trade License Attached			
3. Relevant Shop Drawing Attached				9. Performance Appraisal Attached			
4. Technical Data Sheets Attached				10. Applicator's Method Statement			
5. Relevant Test Results Attached				11. Records from Site Trial Attached			
6. Relevant Samples provide				12. Comparison Sheet Attached			

Action Code					
A : Approved	B : Approved as Noted	C : Revise and Resubmit	D : Rejected	E : Returned without Review	Further Approval

☐ AS Specified		☒ Alternative	
Consultant :	Remarks	Final earth resistance value of 5 ohms	Status
Name	Mustham om	Comply with Project requirement (Typical $\leq 0.5 \Omega$)	
Signature		Contractor shall submit shop drawing for earth system	
Date	8-11-2025		
Project Manager :	Remarks	File any size of earth cable that is verified in accordance with the applicable standard and factors on the calculated earth fault current	Status
Name			
Signature			
Date			

Note: All section information of this form should be filled and/or ticked as required. Rev. 01 dated 10 April 2022

Date: 19/10/2025

Project: IL Monte Galala - Ale Sokhna

Client: Tatweer Msr

Project Manager:

Consultant: SHAKER

CONTRACT: MAESTA

ZONE: MAESTA

PROJECT No.:

15 OCT 2025

From: SKY for Trading & Contracting

To: SHAKER

Attn Project Manager:

☐ 1st submission ☐ 2nd submission ☐ Further submission

Response required by:

Categories: SD: Stop Draw. SM: Sample QT: Guarantee CT: Certificate TT: Test OT: Other

ATTCH: 3 (A3)

Date:

19/10/2025

Category: SD

Sr. No.	Document/Drawing No./Rev. BOQ Ref.	Description	Rev.	Copies	Category
1	SD	Stop drawing electrical calculation of earthing system for kiosk & outdoor EMDB & PILLAR & COFFREE & outdoor generator	0	COPY+CD	SD

Consultant / Engineer

☐ Architectural ☐ Structural ☐ Mechanical ☒ Electrical ☐ Other

Relevant Specification:

THIS SUBMITTAL INTENDS FOR

Contractor:

15 OCT 2025

Name

Consultant:

☐ (A) Approved

☒ (B) Approved as noted

☐ (C) approved as noted and resubmit

☐ (D) Rejected

Code @

Earthling resistance don't exceed 2 Ω

Earthling resistance For Each Coffree loop don't exceed 2 Ω

Refer to Comments on dng

24 OCT 2025

Consultant's Representative

Designation

Signature

Date

27 / 10 / 2025

Client's comments:

26-10-2025

Client Representative

Designation

Signature

Date

ROUTING

DATE

SIGN

Delivered to RE

Delivered to PM

Returned to Contractor



Material Submittal (MS)

Project Name :	O-West	Package:	Sports Club
Employer:	ORASCOM Development	Phase:	Phase I
Site Supervision Consultant:	SHAKER Consultant	Contractor:	SKY For Trading & Contracting
From:	SKY For Trading & Contracting	Date:	17/11/2025
To:	SHAKER Consultant	Submittal Ref.:	OW-SCG-SC-MS-Elec-016-00
Attn.:	Eng. Sayed Helal	Previous Ref.:	

Subject : EARTHING SYSTEM FOR E-PILLER & N-PILLER (PIS) (Data Sheet)

Material/Equipment For Approval:Data Sheet

Description: EARTHING SYSTEM FOR E-PILLER & N-PILLER (PIS) (Data Sheet)

Specification Reference : -----
 Quantity : -----
 Bill of Quantities Reference : DIV -----

Manufacturer's Details:
 Manufacturer: (PIS)
 Model Number : ----- Serial number : ----- Date of arrival on site: -----
 Country of Origin: Egypt Certificate of origin: Egypt Bill of Lading : -----
 Storage Location: -----



Action Code Legend:

☐ (A) Approved
 ☒ (B) Approved as Noted
 ☐ (C) Revise and Resubmit
 ☐ (D) Rejected

Notes :

* Production, supply and /or implementation shall proceed only when action code is A / or B.
 * Regarding action code C, resubmittal shall be within the limit set in the contract.
 * Review dose not relieve the contractor from responsibility of compliance with all requirments of contract documents.
 * If rejected please see comments.

Consultant Comments:

Refer to attached Comments

Contractor should submit Clean Copy before supply

Inspection Report:	Yes/No	Initials Inspector	Engineer
1- Physical damage?	-----	-----	-----
2- Details given above correct?	-----	-----	-----
3- Conforms with approved submission?	-----	-----	-----
4- Accessories / Spare parts included?	-----	-----	-----

Remarks : -----
 Consultant Manager Remarks: -----
 Actions required from Contractor : -----
 Attachments: -----
☐ Hard Copy ☐ Soft Copy (CD)




Employer's Representative Comments (if required) :


 Implement consultant comments

Employer
 Authorized Representative

Project	Artlife-Phase 2
Submittal Number	ARTLIFE-B09-KEC-MT-EL-0002
Subject	Earthing System for B10 Project
Manufacturer	PIS
Supplier	PIS
Specification	260526
Revision	02
Code	B

Our review for this manufacturer is only a technical review for this project as per the owner's Email on 27/7/2025. It cannot be considered as a reference or previous approval in the other projects.

Earthing Comments

- 1) Number of ways shall be compatible with the required number of cables such that one cable lug per hole.
- 2) Earth pit shall be submitted to the civil engineer for review and approval.
- 3) Contractor should provide sample and method of installation for **Earth rod seal** for review and approval from both our side and Civil Engineer.
- 4) Sample board for the earthing system shall be submitted and to include.
 - a. Earthing Rod.
 - b. Testing link.
 - c. Terminal lugs, clamps ...etc.
 - d. Copper ground cable.
 - e. Exothermal welding materials, kits and tools.
 - f. Connectors and other accessories.
 - g. Welding rod to cable, cable to rebar and cable to cable.
- 5) Any metallic or PVC conduits, boxes, cable lugs, cable trunking and accessories that will be used for installation should be according to the **approved materials** for the project.
- 6) The schedule of quantities shall be modified as per the approved shop drawings.
- 7) Contractor should provide detailed shop drawings signed/stamped from supplier for review and approval.



Lightning Comments

- 1) Contractor should submit risk assessment calculation and indicate the coverage diameter for early streamer for review and approval.
- 2) Every down conductor shall be connected to an earth electrode via test link.
- 3) Provide complete solution for the vertical lightning cable routing (elevations/section to be submitted).
- 4) Manufacturer to guarantee the lightning protection system products for 5 years.
- 5) Submit factory certified test for all lightning protection system components.
- 6) Contractor should provide detailed shop drawings signed/stamped from supplier for review and approval.

Material Submittal (MS)

Project Name :	O-West	Package:	O-West Club Residence
Employer:	ORASCOM Development	Phase:	Club Residence
Site Supervision Consultant:	SHAKER Consultant	Contractor:	SKY For Trading & Contracting
From:	SKY For Trading & Contracting	Date:	26/10/2025
To:	SHAKER Consultant	Submittal Ref.:	DW-SCG-CR-MS-Elec-006-01
Attn.:	Eng. Sayed Helal	Previous Ref.:	

Subject : Earthing System

Material/Equipment For Approva: (Professional Integrated Solution) **Data Sheet + Sample**

Description: Earthing System (Professional Integrated Solution)

Specification Reference : ----- Quantity : ----- Bill of Quantities Reference : DIV -- --

Manufacturer's Details:

Manufacturer: (Professional Integrated Solution)

Model Number : ----- Serial number : -----

Country of Origin: Egyptian Certificate of origin: Egyptian

Storage Location: -----

Date of arrival on site: -----
Bill of Lading: -----



Action Code Legend:

☐ (A) Approved

☒ (B) Approved as Noted

☐ (C) Revise and Resubmit

☐ (D) Rejected

Notes :

Production, supply and /or implementation shall proceed only when action code is A / or B.

* Regarding action code C, resubmittal shall be within the limit set in the contract.

* Review dose not relieve the contractor from responsibility of compliance with all requirments of contract documents.

* If rejected please see comments.

Consultant Comments:

Refer to attached Comments.

Inspection Report:

Yes/No

Initials Inspector

Engineer

1- Physical damage?

2- Details given above correct?

3- Conforms with approved submission?

4- Accessories / Spare parts included?

Remarks :

Consultant Manager Remarks:

Actions required from Contractor :

Attachments:

☐

Hard Copy ☐

Soft Copy (CD) ☐



Site Supervision Consultant

Authorized Representative

Employer's Representative Comments (if required) :

Project Name : EBC Bank Project No. : 3353 Employer : Egyptian Bank Co. EBC Project Manager: ECG	Package : Phase : 2 Contractor : Concrete Plus Site Supervision Consultant; ECG
From : Concrete Plus To : ECG Subject : Earthing & lightning - by PIS Co. – Data Center.	Date : 25 March 2025 Submittal Ref.: 3353-CPCI-ECG-MS-Elec-064-Rev00 Previous Ref.:
Material/ Equipment for Approval: Description: Earthing & lightning - by PIS Co. – Data Center. Specification Reference: Section	
Manufacturer's Details: Manufacturer: PIS Co. Model Number : _____ Country of Origin: Egypt	
	
Action Code Legend: (A) Approved (B) Approved as Noted (C) Revise and Resubmit (D) Rejected Notes: ▪ Production, supply and /or implementation shall proceed only when action code is A / or B. ▪ Regarding action code C, resubmission shall be within the limit set in the contract. ▪ Review does not relieve the contractor from responsibility of compliance with all requirements of contract documents. ▪ If rejected please see comments.	
ECG Consultant Comments: Remarks : _____ _____ _____	
Shaker Consultant Comments: Remarks : _____ The material submittal for Earthing is accepted according to attached comments: _____ _____ _____ SCG: Mostafa AL-Amrgy _____ _____ 22/4/2025 _____	
Site Supervision Consultant Authorized Representative _____	

DRAWING SUBMITTAL (DWS)

Project Name : EBC Bank Project No. : 3411 Employer : Egyptian Bank Co. EBC Project Manager: ECG		Package: Phase : 2 Contractor: Concrete Plus Site Supervision Consultant: ECG		
From : Concrete Plus To : ECG Subject : Earthing System plan at (Third, Fourth & Fifth)		Date: 25 June 2025 Submittal Ref.: 3411-CPCI-ECG-SD-Elec-041-Rev.01 Previous Ref.:		
We Are Sending You: ☒ Shop Drawings ☐ As-built ☐ Drawings/Sketch Submitted For : ☐ Approval ☐ Resubmit ☐ Review and Comment ☐ Advice ☐ Coordination Purpose ☐ Others				
Discipline: ☐ Arch ☐ Civil ☒ Elec ☐ Mech				
Item No.	Drawing Title (Name, Type, Size, Capacity, Specific, Use, Etc.)	Drawing No. (Specs., BOQ, Dwg....Etc.)	Rev.	Action Code
1	Earthing System Plan at Third floor for Office Building	3411-ECG-B01-DWG-EE100-00	01	
2	Earthing System Plan at Fourth floor for Office Building	3411-ECG-B01-DWG-EE100-00	01	
3	Earthing System Plan at Fifth floor for Office Building	3411-ECG-B01-DWG-EE100-00	01	

Attachments: -----

☐ Hard Copy
 ☒ Soft Copy



Authorized Representative

Action Code Legend:
 (A) Approved (B) Approved as Noted (C) Revise and Resubmit (D) Rejected
Notes:

- Production, supply and /or implementation shall proceed only when action code is A / or B.
- Regarding action code C, resubmittal shall be within the limit set in the contract.
- Review does not relieve the contractor from responsibility of compliance with all requirements of contract documents.
- If rejected please see comments.

ECG Consultant Comments :

- CABLES SIZING TO BE MATCHED WITH FINAL APPROVED EARTHING SYSTEM CALCULATION SHEETS.
- ALL MATERIAL TO BE AS PER APPROVED TYPES.
- COORDINATE EARTH BAR LOCATIONS WITH OTHER TRADES AND ROOM FURNISHED EQUIPMENT FURNISHING.

ECG جمهورية مصر العربية

ENGINEERING CONSULTANTS GROUP S.A.

Technical Office Department H.Q.

B: APPROVED AS NOTED

WORK MAY PROCEED SUBJECT TO INCORPORATION OF CHANGES INDICATED

By: Date:

(Permission to proceed does not release the contractor from his contractual obligations.)

Actions required from Contractor: -----

Attachments: -----

☐ Hard Copy
 ☐ Soft Copy

Site Supervision Consultant

Authorized Representative

SUBMITTAL FORM

Submittal Reference:	NOR-CP011-B1.2I-AQC-APM-SUB-MAT-EL-04134	Date: 17-06-2025	
Revision:	01		
Document Type:	Material Submittal	SUBMITTED FOR	CODE
		APPROVAL	
CONTRACT No.: NOR-B1-RD-CP011	PACKAGE NO: CP011		
	BUILDING NO: B1.2I	ACTION	
TO: APM		APPROVED	A
CC: SCG		APPROVED AS NOTED	B
		REVISE AND RESUBMIT	C
		NO ACTION REQUIRED	D
WE ARE SENDING HERE WITH THE DRAWING / DOCUMENTS /		REJECTED	R
SAMPLES LISTED BELOW. (DELETE OR ADD AS NECESSARY)			

ITEM	QTY.	Dwgs, Specs. or BOQ Ref.	DOCUMENT / DRAWING NO	DESCRIPTION	TYPE*	CODE
						SUBMIT: ACTION
1	-	Specs (260524) 8NOR-CP011-B1.2I-AQC-APM-SUB-RFA-PO-03982-00		Material Submittal : for Earthing system by "PIS" Area of application: INFRA	B1.2I	B
2	1			Earth Pit	Physical Sample	
3	1			Physical Samples Board	Physical Sample	

Contractor's Representation:

Signature:

SC review comment / PMCM review comments

REMARKS:

Refer to OCS



Correction or comments made relative to submittals during this review (Q NO) relieve the consultant from compliance with the requirements of drawings and specifications. This check is only for review of general conformance with design concept of the project.

FOR CLIENT (Optional):	DATE:	FOR CONSULTANT: SCG	DATE: 1/7/2025
COPIES			
		FOR PROJECT MANAGER: APM	DATE: 2/7/2025
(1) Code to be entered by consultant	* TYPE: SD - Shop Drawings	GT - Guarantee / Warranty	TT - Test / Inspection
(2) Code to be entered by Project Manager	MT - Sample	MD - Manufacturer's Data	CT - Certificate

SUBMITTAL FORM

Submittal Reference:	NOR-CP011-B1.2I-AQC-APM-SUB-RFA-PD-03982	Date: 16-04-2025	
Revision:	00		
Document Type	Request for Alternate	SUBMITTED FOR	CODE
		APPROVAL	
CONTRACT No.: NOR-B1-RD-CP011	PACKAGE NO: CP011		
	BUILDING NO: B1.2I		
TO: APM		ACTION	
Cc: SCG		APPROVED	A
		APPROVED AS NOTED	B
		REVISE AND RESUBMIT	C
		NO ACTION REQUIRED	D
		REJECTED	R

WE ARE SENDING HERE WITH THE DRAWING / DOCUMENTS /

SAMPLES LISTED BELOW. (DELETE OR ADD AS NECESSARY)

ITEM	QTY.	Dwgs., Specs. or BOQ Ref.	DOCUMENT / DRAWING NO.	DESCRIPTION	TYPE*	CODE
						SUBMIT. ACTION
1	-	-	-	Request for Alternative Prequalification "Professional integrated solution company" for Infra Earthing system Attached One Physical Sample (earth pit) Attached One Physical Sample(earthing sample board) Area of Application: INFRA	B1.2I	B

Contractor's: T.O.M A. Abdul

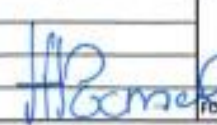
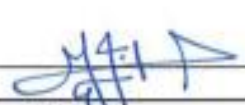
Signature: *[Signature]*

SC review comment / PMCM review comments

REMARKS:



Correction or comments made relative to submittals during this review DO NOT relieve the consultant from compliance with the requirements of drawings and specifications. This check is only for review of general conformance with design concept of the project.

FOR CLIENT (Optional):	DATE:	FOR CONSULTANT: SCG	DATE:
COPIES			
			
FOR PROJECT MANAGER: APM		DATE: 5.5.2025	

* TYPE: 1B - Shop Drawings 1C - General Notes / Warranties 1D - Test / Inspection 1E - Calculations
 1F - Sample 1G - Manufacturer's Data 1H - Certificate 1I - Others

Project	El Mokattam Mosque
Submittal Number	P23017-MO-TA-EL-MS-005
Subject	Earthing system
Manufacturer	PIS
Supplier	PIS
Revision	02
Specification	16060-16061
Code	B

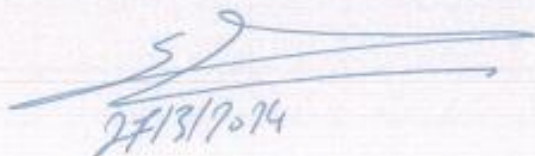
Our review for this manufacturer is only a technical review for this project only according to attached (MEA) approval and cannot be considered as a reference or previous approval in the other projects.

For earthing system comments:

- 1) Contractor should submit a compliance sheet with the specs item by item, and any items are out of the manufacturer's scope should be complied by contractor side. (Noted.)
- 2) All reference consultant approval was reviewing (Furse) material, provide reference list for (PIS). (Noted.)
- 3) Soil resistivity report signed and stamped from system supplier, contractor, consulting engineers should be submitted. (Noted.)
- 4) Earthing calculation based on the latest BS standards (BS 7430:2011+A1:2015) should be submitted for review and approval. (Noted.)
- 5) The submitted concrete earth pit should be sealed as per design details.
- 6) Concrete earth pit to be submitted to civil engineer for review and approval.
- 7) There's a conflict between the submitted sample board and the material list moreover the required test link shall be **tinned and double disconnecting** as per design details. (Noted.)
- 8) Number of ways shall be compatible with the required number of cables such that one cable lug per hole.
- 9) The cable lugs should be as per the vendor list for the project.
- 10) Test Procedure should be provided for review and approval. (Noted. However shall be detailed.)
- 11) Contractor should provide detailed shop drawings signed/stamped from supplier for review and approval. (Shall be submitted in shop drawing form.)

For lightning system comments:

- 1) A risk assessment report for the lightning system shall be submitted. (Noted.)
- 2) Manufacturer to guarantee the ionization protection system products for 5 years.
- 3) Submit factory-certified test for ionization air terminal. (Noted.)



27/3/2024

Project	Artlife-Phase 2
Submittal Number	ARTLIFE-B10-ADL-MT-EL-0020
Subject	Earthing System for B10 Project
Manufacturer	PIS
Supplier	PIS
Specification	260526
Revision	01
Code	B

The submitted manufacturer is out the project list of recommended manufacturer and shall be approved by owner prior resubmitting

Earthing Comments

- 1) Earthing calculation based on the latest BS standards (BS 7430:2011+A1:2015) should be submitted for **lightning** earthing system for review and approval. (Noted. However number of rods shall be as per design drawings)
- 2) Number of ways shall be compatible with the required number of cables such that one cable lug per hole.(Noted)
- 3) Earth pit shall be submitted to the civil engineer for review and approval.
- 4) Contractor should provide sample and method of installation for **Earth rod seal** for review and approval from both our side and Civil Engineer.
- 5) Sample board for the earthing system shall be submitted and to include. (Submitted in utility submittal.)
 - a. Earthing Rod.
 - b. Testing link.
 - c. Terminal lugs, clamps ...etc.
 - d. Copper ground cable.
 - e. Exothermal welding materials, kits and tools.
 - f. Connectors and other accessories.
 - g. Welding rod to cable, cable to rebar and cable to cable.
- 6) Any metallic or PVC conduits, boxes, cable lugs, cable trunking and accessories that will be used for installation should be according to the **approved materials** for the project.
- 7) The schedule of quantities shall be modified as per the approved shop drawings.
- 8) Contractor should provide detailed shop drawings signed/stamped from supplier for review and approval.
- 9) Contractor should submit Bill of lading with delivered patches on site.

SHAKER CONSULTANCY GROUP		
Item	Status	By
A	Approved	
B	Approved	
C	Approved	
Date: 11-02-2025		
Eng. Hussein Mahmoud		

Lightning Comments

- 1) Contractor should submit risk assessment calculation and indicate the coverage diameter for early streamer for review and approval. (Noted)
- 2) Every down conductor shall be connected to an earth electrode via test link.
- 3) Provide complete solution for the vertical lightning cable routing (elevations/section to be submitted).(Still Valid)
- 4) Manufacturer to guarantee the lightning protection system products for 5 years.
- 5) Submit factory certified test for all lightning protection system components.
- 6) Contractor should provide detailed shop drawings signed/stamped from supplier for review and approval.

[Signature]
12/2/2025

Project	New Giza-Artlife
Submittal Number	ARTLIFE-INF-ADL-MT-EL-0016
Subject	Earthing system FOR Infrastructure &Utility Building
Manufacturer	PIS
Supplier	PIS
Specification	260526
Revision	02
Code	B

The submitted manufacturer is out the project list of recommended manufacturer and shall be approved by owner prior resubmitting

Comments

- 1) The Contractor shall carry out an earth resistivity survey signed and stamped from supplier, contractor and consultant engineer. (Noted)
- 2) Contractor should submit calculation for earthing based on (BS 7430:2011+A1:2015). (Noted.)
- 3) Contractor should submit sample board for review and approval. (Noted.)
- 4) As per project's detailed drawings, the test link used in this project shall be tinned. (Noted.)
- 5) Number of ways shall be compatible with the required number of cables such that one cable lug per hole.
- 6) Earth pit shall be submitted to the civil engineer for review and approval.
- 7) Sample board for the earthing system shall be submitted and to include. (Noted.)
 - a. Earthing Rod.
 - b. Testing link.
 - c. Terminal lugs, clamps ...etc.
 - d. Copper ground cable.
 - e. Exothermal welding materials, kits and tools.
 - f. Connectors and other accessories.
 - g. Welding rod to cable, cable to rebar and cable to cable.
- 8) Any metallic or PVC conduits, boxes, cable lugs, cable trunking and accessories that will be used for installation should be according to the **approved materials** for the project.
- 9) The schedule of quantities shall be modified as per the approved shop drawings.
- 10) Contractor should provide detailed shop drawings signed/stamped from supplier for review and approval.
- 11) Contractor should submit Bill of lading with delivered patches on site.


22/1/2025

SHAKER CONSULTANCY GROUP		
NEW GIZA - ART LIFE		
Grade	Status of approval	Sign
A	Approved	
B	Approved As Noted	
	Resubmit CLEAR COPY	
C	REVISIT and RESUBMIT	
Date: 27-01-2025		



MATERIAL SUBMITTAL FORM

ELNASR PH2 (MAR-INFRA-ELEC #011 REV00)

Contract Title	Bloomfields - Parcel (C - R - E)				
Contract No.					
Date Awarded		Contractor's Submittal No.	MAR-INFRA-ELEC #011	Rev.	0
Main Contractor	EL-NASR PH2 / C R E		Specification Clause No.		
Sub Contractor			Planned Submission Date start from	21/01/2025	
Project Consultant	SHAKER				

Material Description:

Quantities:

EARTHING SYSTEM for Infrastructure and transformer rooms

1- Type 1-ML (T01) -	Manufacturer	Supplier	Applicator
Name	PIS	PIS	
Location	1-building 26 - north qurnofel - 1st settlement - new cairo		
Tel. No.	226120081	1113687777	
Fax No.			
E-mail	info@Professional-egypt	www.Professional-egypt.com	

Proposed Application for this Contract

Contractor's QC & Material Engr.		Contractor's Deputy General Manager		Main Contractor	
Name	Engr.	Name		Name	
Date Prepared for Submission		Date Checked for Compliance		Receiving Date	
Signature		Signature and Seal		Signature and Seal	
		Yes	No	N/A	
1. Relevant Contract Spec. Attached					
2. Relevant Contract Drawing Attached					
3. Relevant Shop Drawing Attached					
4. Technical Data Sheets Attached					
5. Relevant Test Results Attached					
6. Relevant Samples provide					
7. Safety Data Sheets Attached					
8. Supplier's Trade License Attached					
9. Performance Appraisal Attached					
10. Applicator's Method Statement					
11. Records from Site Trial Attached					
12. Compliance Sheet Attached					

Action Code

A : Approved ☒ B : Approved as Noted C : Revise and Resubmit D : Rejected E : Returned without Review F : Further Approval

☐ AS Specified

☒ Alternative

Consultant :	Remarks	1- Approved according to MIDAR consulting (EPS) approval	Status
Name	Halitham Emam	2- Contractor should be submit compliance sheet with the specs item by item	
Signature		3- Contractor should provide calculation based on the the latest (BS 7430.2011+A1.2015)	
Date:	2 / 2 / 2025	4 - Contractor should be provide Soil resistivity signed and stamped from system supplier, sent to the consultant	
Project Manager :	Remarks	5- Cable lugs should asper the vendor list of the project	Status
Name		6- contractor should be provide shope drawing to approval	
Signature		7- all martial for earthing system to be the same manufacturer and to be tested and matched with required codes and regulation according to project specs	
Date:			

Note: All section /information of this form should be filled and/or ticked as required.

Rev. 00 dated 21/1/2025

Submittal for Approval

Project :	ARTLIFE	Date :	14-Jan-25	Submittal No.:	ARTLIFE-INF-ADL-MT-EL-0016	Rev.:	02
To :	Degla CFM DEGLA CONSTRUCTION & FACILITY MANAGEMENT	From Contractor :	ADLER/Mechanical Electrical&Infrastruture	☐ New Submittal	☒ Resubmittal		
Consultant :	ECG / SCG	Contract No.:	ARTLIF/Infra/PK-01/Networks/ADLER	Submitted Items:			
Zone / Building :	Infra Networks	Section No. :	26 05 26	☐ Shop drawing	☒ Material		
				☐ Quantity Survey	☐ Brochure/Catalogue		
				☐ Time Schedule	☐ Calculation Sheet		
		Specs. No. :	26 05 26	☐ Method Statement	☐ Others (Certificate....etc.)		

ITEM No.	Description	Contract Reference Documents		Action Code	NOTES
		Specs. No.	DWG No.		
1	Earthing system - (PIS)- FOR Infrastructure &Utility Building	26 05 26		B	

Consultant Remarks:

Refer to attached Comments

22/11/2025

Degla CFM Remarks:

The Following Action Code Are Given to Item Submitted:

- A ☐ Approved as Submitted.
 B ☒ Approved as Noted. ☐ Submit clean copy.
 C ☐ Revise & Resubmission Required.

Approval of Item Does not Relieve the Contractor from complying with requirements of Contract documents Specifications and applicable Codes.

Contractor Name: *ADLER*
 Contr & Star

SHAKER CONSULTANCY GROUP		
NEW IDEA - ART LIFE		
Grade	Status of approval	Sign
A	Approved	
B	Approved as Noted	
	Resubmit CLEAN COPY	
C	REVIS & RESUBMIT	
Date: 27-01-2025		

Eng. Huzzein Mamdouh

Degla CFM Author:

Degla CFM Project Manager:

It's not intended by the aforementioned response to constitute Engineer's instruction for variation. In case the Contractor believes that this reply includes variation affecting the Time for Completion or the Contract Price, the Contractor shall inform the Engineer in writing within the time & cost implications, if any.

Eg/H

Owner 	Consultant : 	Contractor: EDECS ELDawlia for Engineering&contracting 
---	---	--

Project No. (099) Title : Sokhna Container Terminal Civil Works Phase 1a

Sub-Contractor's Approval Submittal (SC)

Trade	ELE.ELC	Ref.	EDE-099-SJS-SC-ELE-0043	Rev.:	00	Date :	14/08/2024
-------	---------	------	-------------------------	-------	----	--------	------------

1. Sub-Contractor's particulars

- a. Company Name : PIS
- b. Company Line or works: Earthing & Lightning
- c. Address : Egypt

2. Sub-Contracted works

- a. Section of the Works : Yard and Buildings
- b. BOQ Items : N/A

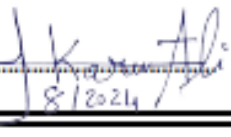
attachment :

Item	Description	Reference	Rev.	No. of pages	Copies	CD
01	Earthing & Lightning	-	00	117	1	0

These are Submitted for:

☒ Approval

QC. Manager : 

TO. Manager 

Projects Director : 

3. Engineer's representative comments:

☐ Approved ☐ Approved as noted ☐ Revise & resubmit ☐ Rejected	APPROVED

Signature:

Date :/...../.....



dar
Dar Al-Hendash

Registration

Matr. No.	Name	Age	Sex
MT	✓		

File No. 15

Signature : _____

- All required data and certificates to be submitted in the material submittals according to specs.

Date: 12/05/2024

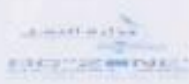
Transmittal Of Documents

16 OCT 2024
RECEIVED

Date: 16-10-2024

Request no: TOD-RRC-DAR-000034_REV.00

Project No. & Title E21208-0100S - Ain Sokhna Port Development

Employer: 	Engineer: 	Contractor: 
--	--	---

1. Document type

- ☐ Material samples ☐ Catalogues ☐ Tests ☐ Technical sheets
☐ Manufacturer certificates ☐ Schedules ☒ Other

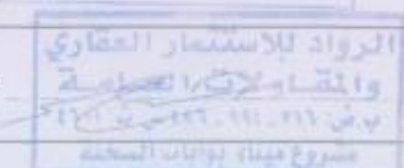
2. Submittal details

Item no.	Description of items submitted/ quantity	Ref.	Contract doc. Ref. & compliances
1	Pre-Qualification for Professional Integrated Solutions (PIS) - Earthing Protection System		

These are transmitted for:

- ☐ Your information ☒ Approval ☐ Review & comment ☐ Other

Submitted by: Shehab Aldin Aktham

Signature: 

3. Engineer's Representative comments:

- ☐ Approved
☒ Approved as noted
☐ Revise & resubmit
☐ Rejected
☐ Others

Refer to attached Comments on submittal
1. Refer Ag

22/10/2024

Signature: Samah Hatem

Date: 22-10-2024

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents

02 SEP 2024

RECEIVED

Proj. No. _____, Tenth _____

Date: 02/09/2024

Transmittal Of Documents

Request no: TOD-UTL-DAR-100276_REV.00

Project No. & Title: E21208-0100S - Ain Sokhna Port Development

Employer:



Engineer:

dar

Contractor:



1. Document type

- ☐
- Material samples
-
- ☐
- Manufacturer certificates

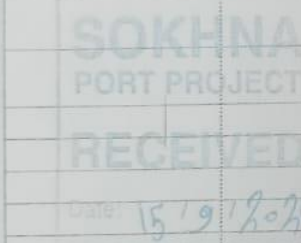
- ☒
- Catalogues
-
- ☐
- Schedules

- ☐
- Tests
-
- ☐
- Other

☐ Technical sheets

2. Submittal details

Item no	Description of items submitted/ quantity	Ref.	Contract doc Ref. & compliances
	prequalification of المقاولات والتجارة P.I.S for integrated solutions for trade and construction (earthing system)	0	



These are transmitted for:

- ☐
- Your information
-
- ☒
- Approval
-
- ☐
- Review & comment

Submitted by: ENG. YOUSSEF NASSAR

Signature:

3. Engineer's Representative comments:

- ☐
- Approved
-
- ☒
- Approved as noted
-
- ☐
- Revise & resubmit
-
- ☐
- Rejected
-
- ☐
- Others

Refer to Comments on submittal.

"1. Paper A4"
factor visit require

Amil 15/9/2024

Signature:

Date: 15-09-2024

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Project: River Green

Reply date: 9/1/2025

Submittal reference	1259-MS-EBC-EHAF-ELEC-25-020
Submittal type	Material Submittal (MS)
Submittal subject	(EARTHING SYSTEM) أعتماذ شركة PROFESSIONAL لاعمال نظام الارضي
Submittal date	9/1/2025
Action Code	B – Approved as noted

Engineer's Comments:

- 1- PROFESSIONAL INTEGRATED SOLUTION is an approved manufacturer for earthing system material.
- 2- Contractor must comply with approved calculations and drawings for rods/test-link dimensions and lengths.
- 3- All material should be delivered on the site with all technical data embossed or engraved on it, (manufacturer name, origin, diameter of rod and air rod, width and thickness of tape, etc..).
- 4- The contractor must install flexible braided cable strap for the doors earthing, the rest of links shall be tinned copper.
- 5- Bond all material and equipment to the earthing and lightning protection systems as specified in the project documents.
- 6- The contractor is responsible to provide any required accessories may be required due to the site situation from the same manufacturer.
- 7- The contractor must provide sample for final approval.
- 8- The contractor must provide method of statements.
- 9- Final approval is subject to testing and measuring on site.
- 10- Value measured must be verified on site after finishing the network installations, and contractor is completely responsible for adding any missing or required materials (pits, rods, etc..) with no impact on cost or time of contract.
- 11- The contractor must ensure to perform the work with compliance to industry instructions, safety precaution and occupational to avoid any risk may happen in the future.
- 12- **The contractor should be submitting completely lightning protection systems sample for final approval.**
- 13- Contractor should be submitting mothded statement, shop drawing and start new activity separately according to (project specs, details, MOM, RFI... etc.)
- 14- Contractor should be provided (CERTIFICATE OF CALIBRATION) valid for time of project.0

Sincerely yours,
EHAF Consulting Engineers



Sameh Omar
Electrical Engineer.
9/1/2025

MATERIAL SUBMITTAL (MS)

Project Name: RIVER GREEN - New Capital		Package : Main Package	
Project No. : 1259		Phase : Construction	
Employer : RIVER GREEN		Contractor: EGYPT BUILDING FOR CONSTRUCTION	
Project Manager/Site Supervision Consultant "Engineer": EHAF المهندس الاستشاريون إيهاف			
From : EGYPT BUILDING FOR CONSTRUCTION		Date : 09 / 01 / 2025	
To : EHAF المهندس الاستشاريون إيهاف		Submittal Ref.: 1259/MS/EBC/EHAF/ELEC/25/020	
Attn. : ENG. Mahmoud Saad		Previous Ref.: 00	
Subject: PROFESSIONAL من شركة (EARTHING SYSTEM) اعتماد النظام الأرضي			
Material/Equipment for Approval: PROFESSIONAL			
Description: PROFESSIONAL من شركة (EARTHING SYSTEM) اعتماد النظام الأرضي			
Specification Reference:		Quantity: -----	Bill of Quantities Reference:
Manufacturer's Details:			
FRAME Manufacturer :			
Model Number : -----		Serial number : -----	Date of arrival on site: -----
Country of Origin: -----		Certificate of origin: -----	Bill of lading : -----
Storage Location: SITE		 ميانى مصر نيتشال Contractor Authorized Representative	
Action Code Legend:			
(A) Approved (B) Approved as Noted (C) Revise and Resubmit (D) Rejected			
Notes :			
- Production, supply and/or implementation shall proceed only when action code is A / or B. - Regarding action code C, resubmittal shall be within the limit set in the contract. - Review dose not relieve the contractor from responsibility of compliance with all requirments of contract documents. - If rejected please see comments.			
Consultant Comments:			
Inspection Report:		Yes/No	Initials Inspector Engineer
1- Physical damage?		-----	-----
2- Details given above, correct?		-----	-----
3- Conforms with approved submission?		-----	-----
4- Accessories / Spare parts included?		-----	-----
Remarks: <i>see attached comments</i>			
Consultant Manager Remarks: <i>See attached</i>			
Actions required from Contractor :			
Attachments: DATA SHEET A4 + كاتوج			
☐ Hard Copy ☐ Soft Copy		 Project Manager/Site Supervision Consultant "Engineer" Authorized Representative	
Employer's Representative Comments (if required):			
 09 JAN 2025 Employer Authorized Representative			

DOCUMENT SUBMITTAL (DOS)
Project Name: RIVER GREEN - New Capital

Package : Main Package

Project No. : 1259

Phase : Construction

Employer : RIVER GREEN

Contractor: EGYPT BUILDING FOR CONSTRUCTION

Project Manager/Site Supervision Consultant "Engineer": EHAF Consulting Engineers

From : EGYPT BUILDING FOR CONSTRUCTION

Date : 21 / 11 / 2024

To : EHAF Consulting Engineers

Submittal Ref.: 1259/DOS/EBC/EHAF/ELEC/24/008-01

Attn. : ENG. Mahmoud Saad

Previous Ref.: 1259/DOS/EBC/EHAF/ELEC/24/008

Subject: (EARTHING SYSTEM) اعتماد شركة PROFESSIONAL لاعمال نظام الارضي

Type of Submittal:
☒ Report

☐ Test plan

☐ Prequalification

☐ Product/Tech.data

☐ Program /schedule

☐ BOQ & Specs.

Submittal Discipline:
☐ Architectural

☐ Civil

☒ Other-----

☐ Mechanical

☐ Structural

☒ ELEC

Attachments: DATA SHEET A4

☒ Hard Copy

☒ Soft Copy

Contractor
Authorized Representative

Submitted for:
Action Code Legend:

(A) Approved

(B) Approved as Noted

(C) Revise and Resubmit

(D) Rejected

Notes :

- Production, supply and /or implementation shall proceed only when action code is A / or B.
- Regarding action code C, resubmittal shall be within the limit set in the contract.
- Review does not relieve the contractor from responsibility of compliance with all requirements of contract documents.
- If rejected please see comments.

Consultant Comments:

See attached comments

Actions Required From Contractor :
Attachments:
☐ Hard Copy

☐ Soft Copy (CD)

Project Manager/Site Supervision Consultant "Engineer"
Authorized representative

Employer's Representative Comments (if required):



مشروع أعمال الجهد المتوسط بطريق (طبرق - إسماعيل)

مصادق التنمية وإعادة إعمار ليبيا
شركة NEOM للاستشارات والتطوير العقاري والتجارة العامة
المكتب الاستشاري الهندسي
(A.D.O) للاستشارات الكهربائية (كبرية)

نموذج طلب اعتماد

0	الإصدار	1291-MVCT-CCCEG-ADO-T-0032	رقم مرجعي عام
0	الإصدار	MAR-1291-0008	رقم مرجعي فرعي
		٢٠٢٥/١٢/٣٠	التاريخ
م / عصمت عبد الفتاح - مدير المشروعات	المهندس المسئول	سى سى مصر للتشييد	الشركة المنفذة

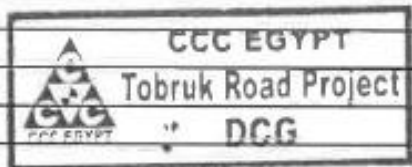
نوع طلب اعتماد

شهادات معايرة للأجهزة المساحية	حصص الكميات
تقارير الاختبارات المعملية	طلب اعتماد خامات
فحص وإستلام خامات	لوحات تنفيذية
إعتماد موردين	لوحات As Built
أخرى	خلاطات خرسانية

م	البيان	المواصفة	الملاحظات
1	طلب اعتماد - Earthing systems		بروفيشنال للحلول المتكاملة للتجارة والمقاولات
2			
3			

المرفقات

م	البيان
1	Technical Data Sheet for Earthing systems
2	
3	
4	
5	



توقيع الشركة المنفذة	توقيع المراقب العام
الأسم:	الأسم:
التوقيع:	التوقيع:

ملاحظات الاستشاري

CODE(B)

- Earthing system calculation shall be submitted for consultant review and approval.
- Final measured earth resistance value shall not exceed 5 Ohms.
- Soil resistivity calculations shall be based on actual site soil test results.
- Soil resistivity measurements shall be carried out at site prior to finalizing the earthing design.
- All required samples and test reports shall be submitted for approval before execution.
- Earthing works shall be executed in accordance with the approved drawings, calculations, and applicable standards.

مرفوض

مرفوض لإعادة التقديم

مقبول بملاحظات

مقبول

Dr. Abdelmonem shaban

توقيع المهندس الاستشاري

التوقيع:

الأسم:



مطلب اعتماد مواد

19/Nov/25	التاريخ	0	الإصدار	3172-MS-ELEC-0044	مستمل
			one ninety	عملية اعداد وتجهيز المبنى الكائن بمشروع	مشروع :
			3172	البنك الاهلي المصري NBE	رقم المشروع :
			جامعة المهندسين الاستشاريين	الإستشاري العام :	المالك :
			Engineering Solutions	إستشاري العمارة الخضراء	الإستشاري العام :
			Major for Construction & Decoration		المقاول العام :

الموضوع : Earth and protection

☐	إشغالي	☐	معماري	☐	كهرياء	☒	ميكانيكا	☐	أخرى
PROFESSIONAL INTEGRATED SOLUTION									اسم المورد :
PROFESSIONAL INTEGRATED SOLUTION									اسم الفصنع :

A4 ورقة 186

☐	عينات
☒	كتالوجات
☒	مواصفات
☒	بيانات فنية
☐	بنود ملحقة

التوقيع	م/ أمينة سمير	مدير المكتب الفني للمقاول
التوقيع	م/ علي عبد الرحمن	مهندس المكتب الفني للمقاول بالموقع
الاسم :	معتمد	قرار المهندس (ج م أ)
التاريخ :	معتمد بملاحظات	
التوقيع :	يعاد التقديم لإستيفاء الملاحظات	
	غير معتمد	

التعليق :

- * PIS is not mentioned in project manufacture list and approved as alternative, the Final approval is subject to the client approval.
- * Contractor has to provide soil resistivity Calculation report and design verification prior to providing the shop drawing or ~~shop drawing~~ together.

ECG
ENGINEERING CONSULTANTS GROUP SA
Technical Office Department H.O.
B: APPROVED AS NOTED
WORK MAY PROCEED SUBJECT TO INCORPORATION
OF CHANGES INDICATED
By [Signature] Date 21/12/2025
Permission to proceed given / it relieve the contractor
from his contractual obligations

* Attached regular inspection report from UL solutions.

Fanid ELbarbary
[Signature]

التاريخ	إستلام المالك
---------	---------------

 RECEIVED Date: 17 APR 2024 STAR LIGHT KATAMEYA CREEKS PROJECT	 I-CON SMART SOLUTIONS	ECG ENGINEERING CONSULTANTS GROUP URBAN PROJECT - KATAMEYA CREEKS (Project No. 3021)	MEP Consultant ECG MEP Contractor
(MAR)		RECEIVED Date: 17 APR 2024	
MATERIAL APPROVAL REQUEST			

Submittal No.:	MAR-KC-UK-ICON-ELEC-0016	Rev. 00	To: Katameya Creeks
Project Code:	EGY23-T059/3021		
Project Name:	Katameya Creeks URBAN-K		
Contractor:	I-CON SMART SOLUTIONS	Issue Date:	17/04/2024
Sub-Trade:	☒ Low Voltage ☐ Light Current		
Submitted For:	☒ Review & Approval ☐ Information		

SUBMITTED MATERIAL INFORMATION:

Material Description:	EARTHING AND LIGHTNING PROTECTION SYSTEM		
Manufacture / Supplier:	PIS - ERICO - ELSEWEDY / Professional Integrated Systems		
Country of Origin:	☒ Local ☐ Imported Country: United States		
Location / Area of use:	All Floors		
Attachments:	1. Sample: 2. Technical Data Sheet 3. Other:		
All Attachment:	210/A4.		
Delivery Period:	Notes / comments:		
T.O.M: Eng. Mahmoud Mohamed	Signature / Date: 		

EMPLOYER / CONSULTANT APPROVAL STATUS

☐ (A) Approved	☒ (B) Approved with comments	☐ (C) Revise & resubmit	☐ (D) Not applicable
Comments: * All Main contractors scope mentioned at compliance sheet to be complied by Main contractors. * provide complete shop drawings according to Design Dwg's, BOQ & specs. * provide Installation Method of statement			
Reviewed By: 		Signature / Date:  22/4/2024	

Mailing Address: P.O.Box 1167 Cairo 11511 - Egypt
Phone: + (02) 23524740 - Fax: (02) 23525748

Date 24 / 10 / 2024

PRINT TRANSMITTAL NO. (1708)

TO : SYSTRA

ATTENTION Tarek Said

PROJECT High Speed Train Stations
NUMBER E779
CC NAT
SYSTRA
AEC

Enclosed are the following prints; released for:

☐ Approval, please sign and return one copy of print by / /
☐ Bids ☐ Your Record ☐ Construction ☐ Your Information
☐ Purchase ☐ Your Reference ☐ Per Your Request ☒ Review

Army Stadium Station Embedded Earthing Submission DD package

SIZE	ECG NUMBER	REV.	TAG NUMBER/TITLE
A 0	Embedded Earthing Submission	B	AS PER ATTACHED DWG LIST (LOD)

Please Sign and Return
By _____ Date 24 / 10 / 2024

Eng. Tamer Mounir

ECG Engineering Consultants Group

Project Name : NEW CAPITAL - RAW WATER PIPE LINE (PUMP STATION 3)
Submittal No. : 3063-CONC-ECG-MAT-ELEC-31
Revision : 01
Subject : EARTING SYSTEM TECHNICAL OFFER
Contractor : CONCORD
Manufacturer : PIS
Action : APPROVED AS NOTED CODE (B)
Date : 25/11/2024



ELECTRICAL COMMENTS

PIS approved as manufacturer for EARTHING SYSTEM and EARTHING SYSTEM accessories according to final submitted papers from manufacturer to achieve approval as a vendor by ECG.

- All material for earthing system to be from the same manufacturer and to be tested and matched with required codes and regulations according to project specs.
- Manufacturer responsible to coordinate with contractor to provide measuring of soil resistivity at site in different locations.
- Contractor and manufacturer responsible to prepare earthing system shop drawings according to measured soil resistivity and according to final related MEP systems.
- All complied items at specs to be indicated at FAT, SAT & at site by manufacturer and contractor.
- Approval only for stamped material list, any required added material subject for resubmitted material must be submitted for engineer approval.
- Approved signed sample to be stored inside site samples room as reference for any material supplied from manufacturer.
- Manufacturer to provide material factory acceptance test report for sample from each delivered to site and provide site acceptance test with each delivered material before site entry.

Material Submittal (MIR)

DELIVERED MATERIAL/PLANT INSPECTION REQUEST (MIR)

From: EEC

Date: 27 / 04 / 2025

To: ECG

MIR No.: SCH-EEC-ECG-MIR-ELEC-0005
Rev.: 01The following Delivered Material/plant are ready for your inspection on
atDate: / /
Time:

Inspection Location: Site

Discipline	Structural	☐	Architectural	☐	I.D.	☐	Electrical	☒	HVAC	☐
	Electrical Systems	☐	Plumbing	☐	F.F.	☐	Special Systems	☐	Others	☐

S References:

Technical Submittal No.

Shop Drawing No.

Specification Clause (012950)

B.O.Q. Item

Description of Delivered Materials

Earthing and lightning protection (professional integrated solutions)

Quantity Required: Quantity Delivered ... as attached Total Delivered ... as attached

Delivery Date 09/ 04/2025

Attached Copies of Test/Mill Certificate ☐ Packing List ☒ Purchase Order ☐

We certify that the delivered material/plant has been inspected by our Technical and Q.C. Departments.

Contractor

Name: MAHMOUD AHMED

Signature: Mahmoud Ahmed

Date: 28 / 4 / 2025 Time:

Receipt Original by ECG

Name: Korim Ahmed Signature: [Signature] Date: 28 / 4 / 2025 Time:

ECG Comments

Complying with

Approved T.S.

☒

Not Complying

☐

Tests Required

☐

No. of Samples

☐

* lightning Hot dip Galv Steel Mast had been applied
* Storage & Quantities are on Contractor responsibility

Received by Contractor

Name: Signature: Date: / / Time:

EEC Technical Office

Schneider Factory - 3388

SUBMITTED

Date: 27-4-25 Time:

Project No. 3388
ECG ENGINEERING CONSULTANTS GROUP S.A.
SCHNEIDER ELECTRIC PLANT EXTENSION
(PROJECT NO.: 3388)
RECEIVED
Date: 28-4-25 Time:

Location Name		Contractor Company		Designer Company	
Wadi El Noutron Station		HAC		ECG	
Contractor ISSUED	Name	Sign	Date	Designation	
	Ahmed A. Mohymen		11-08-2024	Technical Manager	
Contractor Reference	WNS-HAC-ECG-G.N-PRQ-173-R.00				
RECEIPT	Name	Sign	Date	Designation	
Reference	12 AUG 2024				

ECG

Received

12 AUG 2024

Technical Office Dpt.

H.Q.NB: Package 1 Only (Package 2 via Aconex)

THE FOLLOWING DOCUMENTS ARE ATTACHED FOR REVIEW

Permit to proceed does not relieve the contractor from his contractual obligations

Item	Document No	Title	No.
1	WNS-HAC-ECG-G.N-PRQ-173-R.00	Prequalification For Professional Integrated Solutions For Earthing & Lightning Sysyem	FILE : A
Comment by ECG:		Comment by Systra:	
Approved, provide complete Material submittal		C E / N 14	

ER RECEIPT	Name	Sign	Date	Designation
			12/8/2024	Tooh

Note: Response to Contractor shall be by Letter with Any comments attached

ER Document No:

SUB

C1	C2	C3	DD	MM	YY	HH

CODE-1 S 15 Station Reference	CODE-1 D2 Depot Reference	CODE-1 Kp XXX For Kilometer point only	CODE-2 OT	CODE-3 Sub Element of Ac

SUBMISSION OF DOCUMENTS

10/12/2024



GMC

GREEN MODELING ECG
CONTRACTING

ENGINEERING CONSULTANTS GROUP S.A.

10/12/2024

10/12/2024

Green Line

Location Name		Contractor Company		Designer Company	
Alexandria Station		GREEN MODELING CONTRACTING		ECG	
Contractor ISSUED	Name	Sign	Date	Designation	
	Tamer Amer	<i>Tamer Amer</i>	05-12-2024	QC Manger	
Contractor Reference	ALEX-GMC-ECG-PRQ-ELEC-00047			Revision 00	

NB: Package 1 Only (Package 2 via Aconex)

THE FOLLOWING DOCUMENTS ARE ATTACHED FOR REVIEW

Item	Document No	Revision	Title	Number Sheets
1	ALEX-GMC-ECG-PRQ-ELEC-00047	00	Prequalification of Professional integrated solutions for earthing to determine Qualitative resistance for soil	

Designer RECEIPT	Name	Sign	Designation	Date
Designer Reference				Revision

Designer Comments:

provide complete Material submittal for final approval

Designer Status	Approved ☐	Approved with Comments ☒	Rejected ☐										
Designer REPLY	Name	Sign	Date										
			8/12/2024										
Received by ER	Name	Sign	Designation										
			Tech										
			SUB										
<table border="1"> <tr> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				DD	MM	YY	HH	MM					
DD	MM	YY	HH	MM									

Note:

- Response from the Designer is not mandatory for every submission but may be necessary for previously approved design related subjects.
- Response to Contractor's Submission by the Employers Representative (ER) shall be by Letter and Review and Comment Sheet (RCS) with any comments attached and the status of approval.
- Receipt of Submission via EDMS will not be signed by ER.
- If a Stamp is used, please try to avoid covering written text

ECG
ENGINEERING CONSULTANTS GROUP S.A.
Technical Office Department H.Q.

B: APPROVED AS NOTED
WORK MAY PROCEED SUBJECT TO INCORPORATION OF CHANGES INDICATED

By *P. E. Amer* Date *8/12/2024*

Permission to proceed does not relieve the contractor from his contractual obligations



SUBMISSION OF DOCUMENTS

المجلس الأعلى للمهندسين

KASED KHAIR
FOR GENERAL SUPPORT & CONTRACTING

ECG
ENGINEERING CONSULTANTS GROUP S.A.
www.ecg.com

SVSMA SHAKEN

Green Line

Location Name		Contractor Company		Designer Company	
Ras ElHekma (S19)		Kased Khair		ECG	
Contractor ISSUED	Name	Sign	Date	Designation	
	Samer Amer	Samer Amer	15 JUL 2024	Technical Office	
Contractor Reference	EET-RAS-KK-ECG-ELEC-01-Rev.00				

NB: Package 1 Only (Package 2 via Aconex)

THE FOLLOWING DOCUMENTS ARE ATTACHED FOR REVIEW

Item	Document No	Revision	Title	Number Sheets
1	01	00	Prequalification for Professional Integrated Solutions	158

Designer RECEIPT	Name	Sign	Date	Designation
Designer Reference				

Designer Comments:

- * Approved as prequalification.
- * provide complete Material submitted for final approval.
- * provide sample board with material submitted

Designer Status	Approved ☐	Approved with Comments ☒	Rejected ☐
Designer REPLY	Name	Sign	Date
	V.F. Elashar	V.F. Elashar	15/7/2024
Received by ER	Name	Sign	Designation
			Tech

Note:

- Response from the Designer is not mandatory for every submission, but may be necessary for previously approved design related subjects
- Response to Contractor's Submission by the Employers Representative (ER) shall be by Letter and Review and Comment Sheet (RCS) with any comments attached and the status of approval
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- If a Stamp is used, please try to avoid covering written text

MATERIAL APPROVAL REQUEST

2024 Aug 14

SAMCRETE
ENGINEERING & CONTRACTORS LLC

ECG
ENGINEERING CONSULTANTS GROUP LLC



N 001

Green Line		Contractor Company		Designer Company	
Location Name		SAMCRETE		ECG	
Swan Station					
Issued by Contractor	Waleed Saeed	Date	30-09-2024		
Contractor Reference	SC-SWA-ECG-MAR-ELEC-0005	Revision	00		
Submitted by	Name	Sign	MAR		
Description of Materials		Earthing and Lightning System PIS Company - PIS (UL)			
Location to be Used					
Sample only	Yes / No	Materials Type			
Supplier Name	PIS	Data Sheet provided		Yes attached / No	
Reference in BoQ		Specification		Clause	
Prequalification reference		Test Sample Results		yes	
Reference Photos	Yes attached	Other			
Designer REPLY	ECG ENGINEERING CONSULTANTS GROUP LLC Technical Office Department H.O. BE APPROVED & IS NOTED WORK MAY PROCEED SUBJECT TO IMPLEMENTATION OF CHANGES INDICATED By <i>[Signature]</i> Date <i>20/09/2024</i> Permit to proceed issued by <i>[Signature]</i> Date <i>20/09/2024</i>				
Designer Reference					
Designer Comments:					
- Initially approved provide sample board for all used items according to Material list - Types of earth rod subject to consultant selection according to soil types					
Designer Status	Approved ☒	Appro	Rev	Co	Revised ☐
Designer REPLY	Name	Sign	Date	Designation	
	<i>[Signature]</i>	<i>[Signature]</i>	20/09/2024	Tech	

Note:

- Response from the Designer is not mandatory for every submission, but may be necessary for previously approved design related subjects
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- Receipt of Submission via EDMS will not be signed by ER

MATERIAL APPROVAL REQUEST

ECG
ENGINEERING CONSULTANT GROUP

المركز الهندسي لمشاريع النقل
Engineering Consultant Group



Concrete
PLUS



م/كريم عادل

11/7

Location Name		Contractor Company		Designer Company						
Mohamed Naguib Station		Redcon & Concrete plus JV		Engineering Consultant Group						
Issued by Contractor	Name	Sign	Date	Designation						
	Eng. Ashraf Ayman	<i>[Signature]</i>	23-10-2024							
Contractor Reference		3032-Rc-ECG-MAT-ELE-011-REV.00			Revision 00					
Designer Receipt	Name	Sign	Date	Designation						
Designer Reference					Revision					
Received by ER	MAR		C1	C2	C3	D0	MM	YY	HH	MM
			S3	BU	OT	04	12	22	10	00
CODE-1 S3 Station Reference		CODE-1 D1 Depot Reference		CODE-1 Kp 90+061 for Kilometer point only		CODE-2 Earthing Materials		CODE-3 Earthing Works		

Description of Materials	Earthing and lightning material - PIS (Professional integrated solutions)		
Location to be Used	All Building		
Sample only	Yes / No	Materials Type	Earthing Materials
Supplier Name	Professional	Data Sheet provided	Yes attached
Reference in BOQ		Specification	Clause : 16061 Part 1 Clause : 16060 Part 2
Prequalification reference		Test Samples Results	YES
Reference Photos	Yes attached / No	Other	
Comments by:		Comments by:	
* approved as usual manufacturer * provides step by step & soil resistivity report for final approval. * provide sample board for final approval			

APPROVAL STATUS

Organisation	Name	Sign	Designation	Date	A-AWC-R
Contractor	Eng. Mohamed Effat	<i>[Signature]</i>	T.O.M	23-10-2024	A
Designer	<i>[Signature]</i>	<i>[Signature]</i>	Tech	31/10/2024	AWC
GARB*					
Employers Representative					

* Alignment/Bridges: Culvert only

A= Approved; AWC= Approved with Comments; R= Rejected

ECG
ENGINEERING CONSULTANT GROUP
Technical Office Department H.O.
B: APPROVED AS NOTED
WORK MAY PROCEED SUBJECT TO INCORPORATION
OF CHANGES INDICATED
By *[Signature]* Date 31/10/2024
Permission to proceed. I do not relieve the contractor
from his contractual obligations

MATERIAL APPROVAL REQUEST



The Arab Contractors
Construction & Co.

ECG
ENGINEERING CONSULTANTS GROUP



SYSTRA



Location Name S7 6 OCTOBER STATION		Contractor Company THE ARAB CONTRACTORS		Designer Company ECG	
Issued by Contractor	Name Eng. Ali Elfeky	Sign E. Ali Elfeky	Date 28/11/2024	Designation K/1/15	
Contractor Reference	3032-AC-ECG-MAT-ELEC-0010			Revision.00	
Designer Receipt	Name Received	Sign	Date	Designation	
Designer Reference	01 DEC 2024				
Received by ER	MAR		CL 57	C2 BU	C3 28
			DO 11	MM 24	YY 24
			MM	YY	MM

CODE-1 S7 6 OCTOBER STATION	CODE-1 Depot Reference	CODE-1 Per Kilometer point only	CODE-2 work activity	CODE-3 Sub element of activity
-----------------------------------	---------------------------	------------------------------------	-------------------------	-----------------------------------

Description of Materials	Earthing and lightning system		
Location to be Used	6 th of October station		
Sample only	Sample board	Materials Type	Earth and lighting
Supplier Name	Professional Integration solution (PIS)	Data Sheet provided	Yes attached
Reference in BoQ		Specification	
Prequalification reference	Yes attached	Test Samples Results	
Reference Photos	no	Other	
Comments by: ECG		Comments by: SYSTRA	
- approved in principle only subject approval of final drawing & earthing calculation as per owner specs, B.O - the contractor must stick to comply with general requirement of the project			

Organisation	Name	APPROVAL STATUS			
Contractor	Eng. Ali Elfeky	Sign Eng. Ali Elfeky	Designation	Date	A-AWC-R
ECG					
SYSTRA REP.					
NAT REP.					

* Alignment/Bridges: Cylinders only

File: power solution

A= Approved, AWC= Approved with Comments, R= Rejected

Submission Review and Comment Sheet



REVIEW NOTICE

Blue /Red Line			
Transmittal No	N/A	Document Number	F903-EDF-AGR-SYS-PRQ-ELEC-001
Transmittal Date	19-11-2024	Receiving Date	22-10-2024
Contractor Name	AGR	Document Revision	00
Designer	ECG	Location	EDFU STATION
Transmittal Subject	PREQUALIFICATION FOR PIS		
Document Title	PREQUALIFICATION FOR PIS		

The following Conditional Notes apply to this Review:

- Where an RCS replies to an advance submission, any approval noted is not effective until the formal submission has been received by ER and any progress of the Works shall be at the Contractor's own risk
- Approval or comments by the ER of any equivalent or superior designs, products, services, standards or any other deliverables to those designated in the Contract which are proposed by the Contractor, shall not constitute a variation nor entitle the Contractor to any additional payment or extension of time.
- The status given by the Employer's Representative /General Consultant for this submission does not exonerate or relieve the Contractor from any obligation or liability hereunder. Each such status is given in reliance upon, and subject to the performance by the Contractor of its Works in accordance with and pursuant to the terms, covenants, provisions and conditions of its Contract. Without limitation to the generality of the foregoing, neither the review nor the Approved status of any submittal or portion thereof by the Employer's Representative / General Consultant shall relieve the Contractor of any of its responsibilities whatsoever for the accuracy or integrity of the submittal, or the ability of the Contractor to meet any conditions specified in the submittal. While Employer's Representative / General Consultant retains rights of Approval for all submittals, the areas in which it retains Approved rights is limited to the Employer's Representative / General Consultant scope of work, for the information provided by the Contractor.
- The Contractor may include many documents in one submission (Transmittal form) however where possible, it is ER policy to reply individually to each listed submitted document.
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- Document number shall be a document in the transmission list (usually the first number listed)
- This Review comments comprises all of the pages listed in the footer below
- The Review Notice Status shown below applies to all documents described in the Comments Sheet
- Major (M) classified comments are issued when the referenced document submission fails to meet or describe a requirement in respect of how the submission requirement is organized, implemented or maintained and without correction will introduce a major risk and will jeopardize the effectiveness of the submission if implemented
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- Any ASCII character may be used to denote data entry into the fields for M, m, I or NI
- Unresolved comments shall be incremented by a decimal index and all related comments shall remain open until the subject is resolved
- Project procedure EET-SYS-MPL-OPMDOC-GL-CON-1001 provides detailed definition of "Summary Meaning" below

STATUS OF THE REVIEW NOTICE		APPROVED WITH COMMENTS
Status	Summary Meaning	
APPROVED	No objection to proceed	
APPROVED WITH COMMENTS	No objection if the Contractor incorporates comments and resubmits for approval	
REJECTED	Revise and resubmit after fulfilling the comments	
RECEIPT FOR INFORMATION	ER receipt only no action required	

Submission Review and Comment Sheet



REVIEW NOTICE

Blue / Red Line			
Transmittal No	N/A	Document Number	F903-SHG-RME-SYS-MAR-ELE-010
Transmittal Date	14-11-2024	Receiving Date	07-11-2024
Contractor Name	ROWAD	Document Revision	REV. 00
Designer	ECG	Location	SOHAG
Transmittal Subject	EARTHING AND LIGHTNING SYSTEM PIS FOR TRADE AND CONSTRUCTION		
Document Title	EARTHING AND LIGHTNING SYSTEM PIS FOR TRADE AND CONSTRUCTION		

The following Conditional Notes apply to this Review:

- Where an RCS replies to an advance submission, any approval noted is not effective until the formal submission has been received by ER and any progress of the Works shall be at the Contractor's own risk.
- Approval or comments by the ER of any equivalent or superior designs, products, services, standards or any other deliverables to those designated in the Contract which are proposed by the Contractor, shall not constitute a variation nor entitle the Contractor to any additional payment or extension of time.
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REJECTED	Revise and resubmit after fulfilling the comments	
RECEIPT FOR INFORMATION	ER receipt only no action required	

Submission Review and Comment Sheet



REVIEW NOTICE

Green Line			
Transmittal No	SYS-SAMC-G-EET-0916-168	Document Number	SC-HST-ECG-MAT-ELEC-0017 REV.00
Transmittal Date	16-09-2024	Receiving Date	26-08-2024
Contractor Name	SC	Document Revision	00
Designer	ECG	Location	Al Hammam Station
Transmittal Subject	Al Hammam Station - Earthing and lightning system – PIS Company (UL)		
Document Title	Al Hammam Station - Earthing and lightning system – PIS Company (UL)		

The following Conditional Notes apply to this Review:

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STATUS OF THE REVIEW NOTICE		APPROVED WITH COMMENTS
Status	Summary Meaning	
APPROVED	No objection to proceed	
APPROVED WITH COMMENTS	No objection if the Contractor incorporates comments and resubmits for approval	
REJECTED	Revise and resubmit after fulfilling the comments	
RECEIPT FOR INFORMATION	ER receipt only no action required	

Submission Review and Comment Sheet



REVIEW NOTICE

Green Line

Transmittal No	SYS-KK-G-EET-0905-232	Document Number	EET-RHS-KK-ECG-MAT-ELEC-008
Transmittal Date	05-09-2024	Receiving Date	13-08-2024
Contractor Name	KK	Document Revision	00
Designer	ECG	Location	Ras Elhekma
Transmittal Subject	Ras Elhekma - MAR for Professional integrated Solutions Co. Materials		
Document Title	Ras Elhekma - MAR for Professional integrated Solutions Co. Materials		

The following Conditional Notes apply to this Review:

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STATUS OF THE REVIEW NOTICE

APPROVED WITH COMMENTS

Status	Summary Meaning
APPROVED	No objection to proceed
APPROVED WITH COMMENTS	No objection if the Contractor incorporates comments and resubmits for approval
REJECTED	Revise and resubmit after fulfilling the comments
RECEIPT FOR INFORMATION	ER receipt only no action required

Our Ref.: SYS-CONC-G-EET-0813-811

13th Aug 2025

CONCORD

2, Road 307, Maadi
Cairo – Egypt

Attention to: **Eng. Mohamed Sharara**
Project Director

Project: Electric Express Train - EET Project (Ain Sokhna – Borj Al Arab – Alamein – Marsa Matrouh)
PMC Consultancy Services for the implementation of EET Project

Subject: Ain Sokhna Station - MATERIAL Submittal of Professional Integrated Solutions for Earthing & Lightning system

Dear Sir,

With reference to the contractor Notice of submission no E779-3033-CONC-ECG-SYS-MS-ELE-057 R-00 Received on 06/06/2025 regarding the subject above, please find attached our response to Ain Sokhna Station - MATERIAL Submittal of Professional Integrated Solutions for Earthing & Lightning system.

Yours Faithfully,

Marc SEFFACENE
EET Project Director



Attachment:

- Reply on Document

CC:

- NAT



EGYPT BRANCH

Mivida – Business Park No.2 – Building B7 – 3rd Floor – 5th Settlement – New Cairo – Cairo (ARE)
Tel: +20 (02) 6 330 2112 • Fax: +20 (02) 6 330 2114 • Email: egypt@systra.com • Website:



SUBMISSION OF DOCUMENTS

ECG Engineering Consultants Group LLC

ECG
ENGINEERING CONSULTANTS GROUP LLC
م. ك. ع. ج. م. ك.

HASSAN ALLAM
CONSTRUCTION



Green Line

Location Name

Al Alamein Express Station

Contractor Company

HAC

Designer Company

HASSAN ALLAM

Site Master

EL Alamein Station

Technical Manager

Contractor
ISSUED

Name

Sign

Date

Eng: Ali Hussein

ECG
Received

01 JAN 2025

Contractor
Reference

ALS-HAC-ECG-PRO-096-R.00

Revision:00

NB: Package 1 Only (Package 2 via Aconex)

THE FOLLOWING DOCUMENTS ARE ATTACHED FOR REVIEW

Item	Document No	Revision	Title	Number Sheets
1	ALS-HAC-ECG-G.N-096-R.00	0	Prequalification of Earthing and Lightning system (PIS)	AA (123)

ECG
ENGINEERING CONSULTANTS GROUP LLC
Technical Office Department H.O.
B: APPROVED AS NOTED
WORK MAY PROCEED TO INCORPORATE
OF CHANGES INDICATED
By: 15. Elashor Date: 8/1/2025
Permission to proceed does not relieve the contractor
of contractual obligations

Designer
RECEIPT

Name

Sign

Designer
Reference

Designer Comments:

* Approved as a prequalifications for "PIS", provide complete Material submittal according to HSR (E&B) Guides for Final approval

Designer Status

Approved ☐

Approved with Comments ☒

Rejected ☐

Designer
REPLY

Name

Sign

Date

Designation

15. Elashor

15. Elashor

8/1/2025

Tech

Received by ER

Name

Sign

SUB

DO	MM	YY	HH	MM

Note:

Response from the Designer is not mandatory for every submission, but may be necessary for previously approved design related subjects
Response to Contractor's Submission by the Employers Representative (ER) shall be by Letter and Review and Comment Sheet (RCS) with any comments attached and the status of approval
Receipt of Submission via EDMS will not be signed by ER
If a Stamp is used, please try to avoid covering written text

Submittal Serial No. :

2110-HAC-COSMOS-MAT-EL-0025

Rev

0

Subject :- EARTHING SYSTEM Material Submittal (PROFESSIONAL)

Date:

20/1/2026

SUBMITTED FOR *

CODE

APPROVAL

1

YOUR INFORMATION

2

ACTION ** :-

APPROVED

A

APPROVED AS NOTED

B

NOT APPROVED

C

FOR INFORMATION

D

Consultant :- Cosmos-E for Engineers and consultants.

Contractor :- Hassan Allam Construction.

WE ARE SENDING HERewith / UNDER SEPARATE COVER, The Method Statement.

DRWS., SPEC. OR
BOQ. REF.

DESCRIPTION

* TYPE

CODE

Submittal ¹

Action ²

N/A

EARTHING SYSTEM Material Submittal (PROFESSIONAL)

MAT

1

B

FOR CONTRACTOR :-

Consultant to enter Action Codes and Remarks, and return to Contractor

REMARKS :

CONSULTANT'S COMMENTS

* PLS Earthing systems are approved technically and the final approval is from the owner.

* All materials should be supplied as the approved drawings and specifications.

* All materials that will be complete the installations such as Lugs and Trays and conductors, must be as the approved of the project.

COPIES TO (CC) :-

1-

2-

3-

FOR CONSULTANT :-

M. Kheir

TYPE : SD:Shop Drawing CA:Calculation Sheet SM:Sample MOS:Method of Statement MS:Material Submittal GT:Guarantee

OT:Other OS:Quantity Survey CT:Certificates TT:Test Results MK:Mock-up TF:Temporary Facilities

ROUTING

FROM: Hassan Allam Construction

Consultant :- Cosmos

Contractor :-

* Code to be entered by

Contractor

TO: Cosmos

Date:

Date:

** Code to be entered by

Date:

Signature:

Signature:

Consultant

MATERIAL SUBMITTAL FORM -- (MAR)

Contract No.: PEG-1145

Package No.: CP10

TO: Eng. Mohamed Kamel Senior Project Manager, Hill International	SUBMITTAL NO: PEG-1145-CP10-UNP-CN-LS-MAR-0002
FROM: Eng. Tamer Hegab Chief Technical Officer, LMS Construction	DATE: 11 Nov 2024
TITLE: Earthing System "Urban Parking"	REVISION NO: Rev.: 01
	C/REF.:

MATERIAL SUBMISSION DESCRIPTION

Discipline:
☐ C-CIVIL ☐ S-STRUCTURAL ☐ A-ARCHITECTURAL ☒ E-ELECTRICAL ☐ M-MECHANICAL ☐ O-OTHER

Description of Material: Earthing System "Urban Parking"

Manufacturer: PIS

Supplier / Local Agent: PIS

Specification: Nil

BOQ Ref: Nil

Description of Attachments:

- 1- Reply on consultant's comments.
- 2- Compliance Sheets.
- 3- Soil Resistivity Report.
- 4- Technical Data Sheets.
- 5- Sample Warranty Certification.

Description of Samples: Sample Board

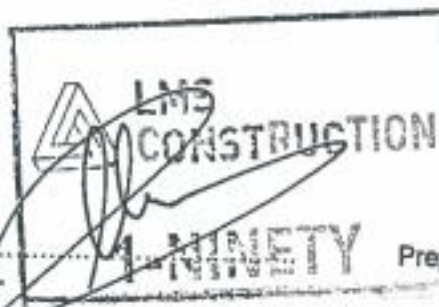
Specification Comparison Sheet: N/A

Comparison in case of Alternative Submittal: N/A

Date: 11 Nov 2024

Eng. Tamer Hegab

CONTRACTOR SIGNATURE



Prepared By: M. M. Aziz

Hill Receive:

Consultant Receive:

Returned From Consultant:

Contractor Receive:



LMD°**LMS
CONSTRUCTION****1-Ninety Project****HILL
International****MATERIAL SUBMITTAL FORM – (MAR)**

Contract No.: PEG 1145

Package No.: CP01

TO: Eng. Mohamed Kamel Senior Project Manager, Hill international	SUBMITTAL NO: PEG-1145-CP01-CWH-CN-LS-MAR-0002
FROM: Eng. Tamer Hegab Chief Technical Officer, LMS construction	DATE: 11 Nov 2024
TITLE: Earthing System "W Hotel"	REVISION NO: Rev.: 01
	C/REF.:

MATERIAL SUBMISSION DESCRIPTION

Discipline:

☐ C-CIVIL ☐ S-STRUCTURAL ☐ A-ARCHITECTURAL ☒ E-ELECTRICAL ☐ M-MECHANICAL ☐ O-OTHER

Description of Material: Earthing System "W Hotel"

Manufacturer: PIS

Supplier / Local Agent: PIS

Specification: Nil

BOQ Ref: Nil

Description of Attachments:

- 1- Reply on consultant's comments.
- 2- Compliance Sheets.
- 3- Soil Resistivity Report.
- 4- Technical Data Sheets.
- 5- Sample Warranty Certification.

Description of Samples: Sample Board

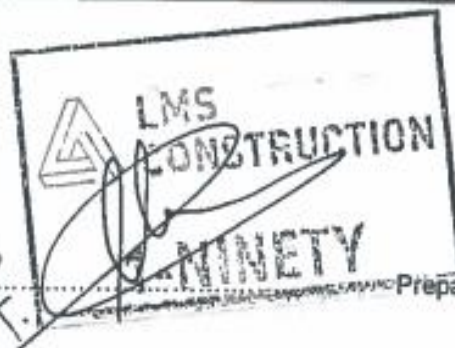
Specification Comparison Sheet: N/A

Comparison in case of Alternative Submittal: N/A

Date: 11 Nov 2024

Eng. Tamer Hegab

CONTRACTOR SIGNATURE



Prepared By:

Marian Aziz

Hill Receive: 	Consultant Receive:	Returned From Consultant:	Contractor Receive:
--------------------------	----------------------------	----------------------------------	----------------------------

MATERIAL SUBMITTAL FORM – (MAR)

Contract No.: PEG 1145

Package No.: CP17

TO: Eng. Mohamed Kamel
Senior Project Manager, Hill International

SUBMITTAL NO: PEG-1145-CP17-CWR-CN-LS-MAR-0001

FROM: Eng. Tamer Hegab
Chief Technical Officer, LMS construction

DATE: 11 Nov 2024

TITLE: Earthing System "W Residence"

REVISION NO: Rev.: 01

C/REF.:

MATERIAL SUBMISSION DESCRIPTION

Discipline;

☐ C-CIVIL ☐ S-STRUCTURAL ☐ A-ARCHITECTURAL ☒ E-ELECTRICAL ☐ M-MECHANICAL ☐ O-OTHER

Description of Material: Earthing System "W residence"

Manufacturer: PIS

Supplier / Local Agent: PIS

Specification: Nil

BOQ Ref: Nil

Description of Attachments:

- 1- Reply on consultant's comments.
- 2- Compliance Sheets.
- 3- Soil Resistivity Report.
- 4- Technical Data Sheets.
- 5- Sample Warranty Certification.

Description of Samples: Sample Board

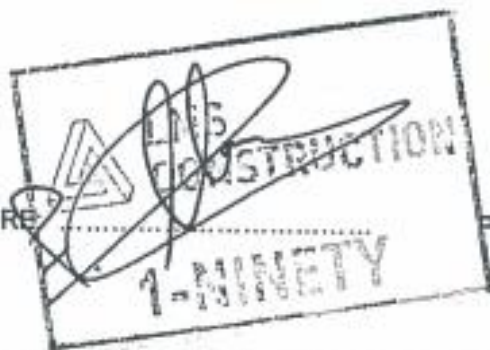
Specification Comparison Sheet: N/A

Comparison in case of Alternative Submittal: N/A

Date: 11 Nov 2024

Eng. Tamer Hegab

CONTRACTOR SIGNATURE



Prepared By:

Marian Aziz

Hill Receive:

Consultant Receive:

Returned From Consultant:

Contractor Receive:





ML-ONE
CONSTRUCTION

1-Ninety Project



MATERIAL SUBMITTAL FORM – (MAR)

Contract No.: PEG 1145

Package No.: CP12

TO: Eng. Mohamed Kamal
Senior Projects Manager, Hill international

SUBMITTAL NO: PEG-1145-CP12-AD1-MEP-CN-ML1-MAR-0213

FROM: Eng. Ashraf Abo El Atta
Senior Project Manager

DATE: 05 April 2025

TITLE: Earthing System – Parcel D

REVISION NO: Rev.: 00

C/REF.:

MATERIAL SUBMISSION DESCRIPTION

Discipline:

☐ C-CIVIL ☐ S-STRUCTURAL ☐ A-ARCHITECTURAL ☒ E-ELECTRICAL ☐ M-MECHANICAL ☐ O-OTHER

Description of Material: Earthing System – Parcel D

Manufacturer: PIS

Supplier / Local Agent: PIS

Specification: Nil

BOQ Ref: Nil

Description of Attachments:

1. Company Profile
2. Per-Qualifications
3. Consultant Approval
4. PIS Local Accreditations
5. PIS Global Accreditation
6. Top Projects
7. Material List
8. Technical Data Sheet
9. Earthing Calculation Sheet
10. Compliance Sheet

Description of Samples: Nil

Specification Comparison Sheet: N/A

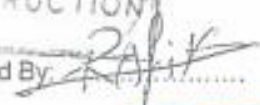
Comparison in case of Alternative Submittal: N/A

Parcel: (D)

Date: 05 April 2025

Eng. Ashraf Abo El Atta

CONTRACTOR SIGNATURE: 

Prepared By: 

Hill Receive:



Consultant Receive:



Returned From Consultant:



Contractor Receive:



LMD°



ONE-NINETY

ML-ONE
CONSTRUCTION

HILL
International

SUBMITTAL REVIEW COMMENTS FORM

Item No.	Title / Reference No. of Document Reviewed	Review Comments	Review Basis (Specify Contract / Specification Clauses)
	PEG-1145- CP12-AD1- MEP-CN- ML1-MAR- 0213	7-The Contractor must achieve the specified resistance minimum on site. 8-The Disconnecting Earth Bar shall accommodate the number of cables connected with 25% as spare holes. 9-The Contractor shall follow all comments in the shop drawing that will be submitted for review and approval, as per TAQA (representative EDC) shall comply with the possibility of separating Low Voltage and Medium Voltage Systems. 10-Warranty Certificate according to project documents to be provided. <u>The Supplier was not included in the vendor list. However, has pre-approval from dar and SHAKER.</u>	

Main Reviewer's Name:

Eng.: Abdel-Hamid Ibrahim

Designation:

Signature

Date 23/04/2025

تطوير منطقة سانت كاترين- ارض التجلي الاعظم				اسم المشروع	
وزارة الاسكان و المرافق و المجتمعات العمرانية				المالك	
SITES INTERNATIONAL				استشاري المالك	
شركة ابناء سيناء				الشركة المنفذة	
مكتب متتور جروب للاستشارات (ا.د. اشرف شوقي)				استشاري الشركة المنفذة	
Document Submittals (D.S)					
17/Jul/24	تاريخ الطلب	All	ZONE / العنارة	P7	رقم المشروع
SCI-P7-DOS-ELE-0071-01				رقم الطلب	
Measurement of Soil Resistivity for DownTown Mosque & Shops , Zaytona (Bldg. & Church & Mosque & Shops) , Outdoor Kiosk				المادة المطلوب اعتمادها	
B.O.Q Reference :		Specification Reference :		16500	
Calculation	(00) Pages A4	Cataloge	(16) Pages A4	المرفقات	
هذا اقرار من المقاول بأن جميع المستندات المقدمة قد تم احصائها بمعرفته، و هي مطابقة للمواصفات و متماشية مع بنود و مستندات العقد	كهرباء ☒	مساحة ☐	مصري ☐	إنشائي ☐	نوع الاصل
	Landscape ☐	تكيف ☐	صحي ☐	مكلفة حريق ☐	
			شبكات ☐	طرق ☐	
المقاول Contractor					
مدير المشروع			مدير المكتب الفني		
					
استلام الاستشاري			مشروع تطوير سانت كاترين موقع التجلي الاعظم		
التوقيع:	التاريخ:	التاريخ:			
Inspector / الفحص					
(A) Approved / مقبول	(B) Approved as noted / مقبول بملاحظات	(C) Re submit / اعاد تقديم	(D) Rejected / مرفوض فقط		
Notes / الملاحظات					

للمصانع منه امتداد حسابات دُظام التأسيس لاجمال الجهد المنخفض واهمال التيار الكفيف
لمبات إشارات الزيتونه والمحلات والمسجد والكثيبه ونسار وادى الاربعين والإكشاك
و المدينة التراثية للمسجد والمحلات و ثمنه السواقين ولحمله التوبيس مع ضرورة مراعاة
الترتيب- [1] ضرورة اتباع الكود للفصل بين شبكه الجهد المنخفض واهمال التيار الكفيف والمصانع بين
[2] ضرورة تحقيق المقاصد المطلوبة لاجمال التيار الكفيف وهو اقل من 5.0 اهم واهمال
الجهد المنخفضا ومراقبه منه 2 اهم
[3] ضرورة تقديم الرسومات التنفيذية وتسيقها مع الحسابات المقدمه للاعتماد وكذلك مع ضرورة
التسيق مع اجمال الموقع العام [4] ضرورة مراعاة الاملاحيات في الرسومات المقدمه بنود وصولها
الى ارباب



ممثل الجهاز	ممثل الاستشاري	التوقيع	ممثل المفاوض
مهندس الجهاز	مهندس الاستشاري	مدير المشروع	

ECG
Received

19 MAR 2024

وزارة الإسكان
مكتب الدراسات والبحوث العمريةTechnical Office
H.Q.EGC
ENGINEERING CONSULTANTS GROUPMCG
MENTOR
CONSULTING GROUPABNAA
SINAI

٢١٩٤

م/المرم عارن

تطوير منطقة سكت كاترين- ارض التجلي الاعظم
وزارة الاسكان و المرافق و المجتمعات العمرانية
جامعة المهندسين الاستشاريين ECG
شركة ابناء سيناء للتشييد والبناء
مكتب متور جروب للاستشارات (ا.د. الشرف شوقي)

اسم المشروع
شك
استشاري شك
فترة شك
استشاري شركة شك

DOCUMENT SUBMITTAL (DOS)

رقم المشروع	P9	ZONE	AR	تاريخ الطلب	18-Mar-24	التشكيل
رقم الطلب	SCI-DOS-ELE-0066-00					

اعتمد شركة PIS لاصال الأرضي والمواضع

المدة المتكبر احتسبها

B.O.Q Reference :

16060

Specification Reference :

16060

Data Sheet	(8) Pages A4	Cataloge	(97) Pages A4	المرافقات
	تخطيط	مساحة	تخطيط	نوع الاصل
	Landscape	تخطيط	مساحة	
		شبكة	خزل	

Contractor

EGC ENGINEERING CONSULTANTS GROUP S.A.
Technical Office Department H.Q.
B: APPROVED AS NOTED
WORK MAY PROCEED SUBJECT TO INCORPORATION
OF CHANGE INDICATED
By K. Elashrafi Date 18/3/2024
Permission to proceed does not release contractor from
his obligations of design and construction



استشاري

التاريخ:

التوقيع:

Inspector / تفتيش القسم

(A) Approved	(B) Approved as noted	(C) Re submit	(D) Rejected
--------------	-----------------------	---------------	--------------

ملاحظات الاستشاري

- * Approved as a prequalifications.
- * provide complete project Material approval

اسم	الاستشاري	مدير المشروع	اعتمد المالك	بشدة/ مهندس جهل تصير سيناء
م.م. عاتق				
م.م. الازهر				



MATERIAL SUBMITTAL FORM

Project Name: El Moqattam Mousqe

Client: Armed Forces Engineering Authority

From: Total Air Projects

To: Shaker Consultancy Group

Trade: ☐ Civil ☐ Arch. ☐ Mech. ☐ Inform. Tech. ☐ Others ☐
☐ Elec. ☐ Infra. ☐ HVAC ☐ Plu. & Fire Protection ☐

Document Ref.: P23017-MO-TA-EL-MS- 005

Rev. 02

Date: 25/Mar/2024

ملاحظات:

مرفق عدد (1) نسخة هارد

Catalogues ☐Samples ☐Prequalifications ☐Certificates ☐Data Sheets ☐

Submittal DESCRIPTION

Submittal Name

Manufacture

Supplier

Earthing System

P.I.S

Professional

REQUIRED BY: Total Air Projects

Name/Signature

Title

Date

25/3/2024

CONSULTANT APPROVAL

Approved ☐Approved With Comments ☒Revise and Resubmit ☐Not Approved ☐

Consultant Notes:

Refer to attached Comments

Name/Signature

Title

Date

25/3/2024

RECEIVED BY:

Name/Signature

Title

Date

تقديم (الوحات/مستندات) للمراجعة والاعتماد

[illegible]

RESIDENCE EIGHT

SUPPLIER PRE-QUALIFICATION (SP)

Project	Residence Eight - PLOT RB-B1	MS/Submittal No.	Rev.
Owner	SKY-AD Developments	IB-ELEC-S2A-ACE-SP-24-15	0
Supervision Consultant	ACE PM Moharram Bakhoum	Date:	20-Jan-26
Contractor	S2A General Contracting LLC	Submitted For	
TO	ACE	Approval	1
CC	ACE PM	Information	2

Action (2)	
Approved	A
Approved as Noted	B
Revise and Resubmit	C
Rejected	D

EARTHING & LIGHTNING SYSTEM

ITEM NO.	DRW., SPEC. OR BOQ. REF.	Manufacturer/Supplier	DESCRIPTION	TYPE +	SUBMITTAL CODE *	ACTION CODE **
1		PIS EARTHING & LIGHTNING	1- Company Profile 2- PIS Services 3- PIS Products 4- PIS Registrations 5- Previous Consultants Approvals 6- Local Accreditations 7- International Certificates 8- Top Projects			B

CONTRACTOR: 
 RECEIVED BY: 
 COPIES: _____

DATE: _____
 DATE: _____

Consultant to enter ACTION CODE and REMARKS

Supervision Consultant Remarks:

Refer to Attached file

Supervision Consultant:

DATE: _____

Corrections or comments made relative to submittals during this review do not relieve the contractor from compliance with the requirements of the drawings and specifications. This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for confirming and correlating all quantities and dimensions, selecting fabrication process and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner.

Client Representative Remarks (If Required):

No objection from my side Subject to SC approval

KY-AD:

DATE: 25-1-2026

Received by Contractor:

COPIES:

+ TYPE: S Shop Drawings
 S Sample
 C Guarantee
 A Manufacturer's Data
 C Certificates
 C Others

* SUBMITTAL CODE:

- Submitted for Approval
- Submitted for Information

ACE PROJECT MANAGEMENT
MOHARRAM BAKHOUM

RESIDENCE EIGHT PROJECT

A: Approved
 B: Approved as Noted
 C: Revise and Resubmit
 D: Rejected

RECEIVED

Structure Architecture Surveying Electrical Mechanical Landscape Infra & Roads Other

 مدينة مصر Madinet Masr	Taj City Development		
	 ACE PROJECT MANAGEMENT EST. 2007	 365 Ecology	

MATERIAL SUBMITTAL FORM - (MAR)

Contract No.:	Package No.:
---------------	--------------

TO: Eng. Sherif Moussa	SUBMITTAL NO.: PK12-B-ZT-CN-ECO-ACE-MAR-00040
FROM: 365 Ecology	DATE: 05/11/2023
TITLE: Earthing system-PIS	REVISION NO: Rev. 01
	C/REF.:

MATERIAL SUBMISSION DESCRIPTION

Discipline: Earthing system-PIS	
Description of Material: Earthing system	
Manufacturer (Name & Address): PIS	Supplier / Local Agent: Professional integrated solutions
Specification: SECTION 260526	BOQ Ref: 11
Description of Attachments:	Description of Samples:
Specification Comparison Sheet	
Comparison in case of Alternative Submittal	
CONTRACTOR SIGNATURE:	Date:
ACE Receive:	Contractor-Receive:
 05 NOV 2023 Received	

ACE COMMENTS

كما مانع من الإصدار النهائي على أنه قد تم تقديم اقتراحات التحسينات والنقطة الأخيرة
للنظام وذلك بعد استشارة المهندس مدبولي من العمل

☐ A-APPROVED
☒ B-APPROVED AS NOTED, WORK MAY PROCEED - INCORPORATE COMMENTS
☐ C- REVISE / RESUBMIT
☐ D- REJECTED

تحريراً في : ٠٩ يونيو ٢٠٢٤

مشروع : أصل تنفيذ مبني موزع الكهرباء - مجاورة كويك - مشروع تاج سيتي

المساحة : شركة جروب للإنشاءات

عناية : السيد المهندس / رامي لقطان - مدير المشروع

الموضوع : اعتماد شركة Professional Integrated Solutions

المراسلات المشار إليها : ١ - PK02-D-GR-MMHD-LET-0015

تحية طيبة وبعد ،،،،،

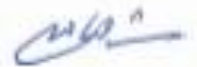
بالإشارة إلى الموضوع اعلاه و إلى الخطاب المشار إليه مرجع رقم (١) يرجى العلم انه لا متع من إضافة شركة Professional Integrated Solutions لزوم أعمال الأرضي الصناعي Earthling Systems في قلعة المورنين مع الالتزام بتقديم جميع الشهادات والاختبارات اللازمة و بدون المطالبة بفروق اسعار. مرسل للعلم والإحاطة واتخاذ اللازم .

و تفضلوا سيادتكم بقبول فائق الاحترام والتقدير ،،،،،،،،،،،

مدير أول مشاريع تاج سيتي

مهندس

"رامي رجب"



- صورة إلى استشاري المشروع محرم بالخوم



Package No :PK21-E

MATERIAL APPROVAL REQUEST (MAR)

MAR NO :PK21-E-TC-ST-AONE-MNH-D-MAR-5

17/04/2025

Subject

To

From

Reference SPEC

Structural

TYPE OF MATERIAL

Date

DWG

Architectural

MEP

Material description

Manufacturer

Supplier

BOQ

Samples

اعتماد مورد نظام ال earth للمبنى

Vendor

Out of vendor

Reason of replacement :

Attachments :

☐ Drawing

☐ Catalogue

☐ Sample

☒ Data sheet

☐ Other

Contractor

Name

Signature

Date : 17.4.2025

Madinet Masr PM response

* لا مانع من الاعتماد مع مراعاة النقاط التالية :-
① تقديم عينات من كل مكونات النظام للاعتماد قبل التنفيذ
② تقديم رسومات تنفيذية لأنظمة التأسيس المشار إليها في المرفقة ووضع عليها أماكن التركيب والربط وتوصيل أنظمة التأسيس الثلاثة خارجياً بمقتضى
③ يلتزم المقاول بتحقيق قيمة المقاومة المشار إليها في المستندات والحسابات المرفقة .

☐ A - APPROVED

☒ B - APPROVED AS NOTED

☐ C - REVISE / RESUBMIT

☐ D - REJECTED

Madinet Masr PM

Name

Signature

Date : 17.4.2025

Madinet Masr receive

Contractor receive



مالك : صندوق الأنشطة

استشاري : هيدرو

شركة المنفذة : كونكريت للمقاولات و التصميمات الهندسية

التاريخ :

٣٠ / ٢ / ٢٠٢٦
١٣ / ٢ / ٢٠٢٦

2026-02-10

طلب اعتماد مواد

المشروع : كومباوند مسار (2)

وارد

343-2624-206-18

11 FEB 2026

رقم الطلب : Mat-ELEC-05-REV00

هيدرون Hydr

مساحة	إنشائي	معماري	كهرباء	ميكانيكا	صحي	التصميم	إنشائي	أخرى
.SUR	STR	ARCH	ELEC	MECH	PLUM	LANDSCAPE	STR	OTHER
☐	☐	☐	☒	☐	☐	☐	☐	☐

الموضوع

اعتماد شركة Professional integrated solution(Earthing)

بيانات المصنع

المصنع

Pis Factory for advanced industries

مستورد

محلي

v

CD	نتائج	عنه	طريقة التنفيذ	مواصفات	تكنولوجيا	اختبارات	بيانات
☐	☐	☐	☐	☐	☐	☐	☒

مدير المشروع :

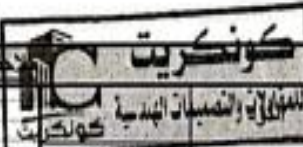
المهندس /

الخدمات الاستشارية :

توقيع المكتب الفني :

المهندس /

الخدمات الاستشارية :



الاجراء **

معتمد

معتمد بملاحظات

غير معتمد ويعد تقديمه

مرفوض

A

B

C

D

إستلام المقاول :

توقيع الاستشاري : ٣٠ / ٢ / ٢٠٢٦

343-2624-206-18

11 FEB 2026

هيدرون Hydr

التاريخ: ٢٠٢٣/١٠/١٨ م

CODE: 0223 -175-1

المشروع: مستقبل مصر المرحلة الثانية - استصلاح ٤٠٠ ألف فدان.
الموضوع: العرض الفني لنظام الأرضي والحماية ضد الصواعق توريد (PIS).

السادة / شركة سيباك

تحيّة طيبة وبعد،

بالإشارة إلى الموضوع عاليه، إلى خطاب سيادتكم الوارد إلينا برقم (SIAC-HYDRO-MAR-ELE-0003) والمرفق به العرض الفني لنظام الأرضي والحماية ضد الصواعق توريد شركة (PIS)، وبعد الدراسة والمراجعة، نحيطكم علماً أنه لا مانع من اعتماد شركة (PIS) كجهة توريد فقط، على أن يتم تقديم حسابات تفصيلية ورسومات تنفيذية لنظام الأرضي والحماية ضد الصواعق، وكذلك تقديم الحسابات التقييمية لمستوى الصواعق، وذلك بعد عمل قياس المقاومة النوعية للتربة في حضور ممثل عن طاقم الإشراف.

مرسل لسيادتكم للتكرم بالعلم واتخاذ اللازم.

وتفضلوا بقبول فائق الاحترام،

قسم الكهرباء
عن/د/ محمد بدوي
C.C. 11/12

رقم 1783-223-302
17 OCT 2023
Hydro

صورة الى :-

السادة / هجر مصطفى مصر للتجارة المستدامة





المشروع: استصلاح أراضي جنوب محور الضبعة.
الموضوع: العروض الفنية لمنظومة الأرضي ونظام الحماية
ضد الصواعق من شركة PIS لمطاط الرفع 8&7

السادة / شركة سيالك

تحية طيبة وبعد،

بالإشارة إلى الموضوع عاليه، وإيمانا إلى العروض الفنية المقدمة من سيادتكم لمنظومة الأرضي ونظام الحماية ضد الصواعق المقدمة من شركة Professional Integrated Solutions (PIS) لمطاط الرفع 7 و 8، وبعد الدراسة والمراجعة يرجى العلم أن شركة PIS مقبولة فنياً كجهة توريد فقط مع ضرورة تقديم عرض فني متكامل لمنظومة الأرضي ونظام الحماية ضد الصواعق يتضمن المذكرات الحسابية والرسومات التنفيذية طبقاً لجداول الكميات والمواصفات الفنية للمشروع واشتراطات الكود المصري.

مرسل لسيادتكم للتكرم بالعلم واتخاذ اللازم.

وتفضلوا بقبول فائق الاحترام،

مدير التصميمات

14/6
د/حسين الشرقاوي



القاهرة في ٢٠٢٢/٠٩/٢١

رقم القيد : 5607/23/MI/ MB (96705)

السادة / شركة الزهراء للمقاولات

الموضوع : مشروع إنشاء مركز إصلاح وتأهيل سعة ٢٠٠٠٠ نزيل
بمدينة ١٥ مايو (برج لاتصالات المعدنى بارتفاع ٥٠ متر)

تحية طيبة .. وبعد ...

ایماء الى المشروع أعلاه، بالإشارة إلى خطاب سيادتكم الوارد إلینا بتاريخ ٢٠٢٢/٠٩/١٧، بشأن اعتماد الرسومات التنفيذية لأعمال الأرضي والحمايئة من الصواعق والملاحية (البهرية) ، نحيط سيادتكم علماً بالآتي:-

١. لمانع من اعتماد أعمال الأرضي والحمايئة من الصواعق ماركة PIS على أن يتم استخدام عدد ٢ كابل كموصلات هابطة بقطاع لا يقل عن ٧٠*٢ مم نحاس أو شريط نحاسي مسط لا يقل عن ٧٠*٢ مم بالنسبة لنظام الحمايئة من الصواعق أحدهما جهة اليمين والآخر جهة الشمال مع تثبيت الكابل كل ٢ م على البرج مع استخدام عدد (٢) Air Terminal كأعلى نقطة بالبرج .

مع مراعاة أن تكون اللحامات Cad welding .

٢. لا مانع من اعتماد نظام التحذير الملاحية ذات وميض متقطع (Flashing) ماركة Point lighting ثنائي اللمبات أحدهما احتياطي للأخرى ، على أن تكون من النوع Style D8 وليس DT .
مرسل لتكرم بالعلم واتخاذ اللازم
ونفضلوا بقبول فائق الإهتمام ...

بيت الخبرة
العفیفی للاستشارات الهندسية
أ. دكتور / حكيم العفیفی

عن / ٢٠٢٢/٠٩/٢١



المرفقات :-

✓ المذكور أعلاه

صورة إلى :-

✓ السادة / الإدارة العامة للشئون الهندسية

✓ السيد المهندس / أحمد ماهر

ر. / علي حسن
محمود بدوي

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 WE PROTECT



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**PIS LOCAL
ACCREDITATION**



مركز بحوث و تطوير الفلزات

Issued to: **PROFESSIONAL INTEGRATED SOLUTIONS FOR TRADING AND CONSTRUCTIONS**

Name of sample: Enhancement Materials with trade Mark (Pronite)

Tests Standards: IEC 62561-2: 2018 – part 7 (Resistivity), ASTM G 57-06

Sample Name: Earthing Enhancement Compound Test

Sample Code: 1050/22

Certificate Validity: This test certificate valid from 2022 August 17 until 2023 August 17

Authorized by: Central Metallurgical R & D Institute (CMRDI) Ministry of Scientific Research

Investigated by: Dr. Mona Hassan, Techni. Yehia Makhlof

Head of TSD: Eng. Nasser Gomaa

Signature: Zeinab Abdel Hamid, 17/8/2022

Composition of chemical analysis using PMI-MASTER Smart optical chemistry (OES) analyzer UV Touch- HITACHI Device is illustrated in Table 1.

Table 1: The chemical analysis of the received samples

Element	C	Si	Mn	P	S	Mo	C
Result	0.25	0.146	0.225	0.0093	0.008	0.0063	0.0

Certificate Validity: This test certificate valid from 2022 August 17 until 2023 August 17

Authorized by: Central Metallurgical R & D Institute (CMRDI) Ministry of Scientific Research

Investigated by: Techni. Yehia Makhlof

Head of TSD: Eng. Nasser Gomaa

Signature: Zeinab Abdel Hamid, 17/8/2022

Issued to: **PROFESSIONAL INTEGRATED SOLUTIONS FOR TRADING AND CONSTRUCTIONS**

Name of sample: (5/8", 1500mm), Copper coated steel earthing Rod with trade mark (P.L.S)

Tests Standards: IEC 62561-2: 2018, UL 467, BS 7430:2011/BS 7430 2015: A+, Egyptian Code or foundation of design and conditions of implementation of electrical connectors and conductors - Nov 2004

Sample Code: 1050/22

Certificate Validity: This test certificate valid from 2022 August 17 until 2023 August 17

Authorized by: Central Metallurgical R & D Institute (CMRDI) Ministry of Scientific Research

Investigated by: Dr. Mona Hassan

Head of TSD: Eng. Nasser Gomaa

Signature: Zeinab Abdel Hamid, 17/8/2022

Issued to: **PROFESSIONAL INTEGRATED SOLUTIONS FOR TRADING AND CONSTRUCTIONS**

Name of sample: (3/4", 1500mm), Copper coated steel earthing Rod with trade mark (P.L.S)

Tests Standards: IEC 62561-2: 2018, UL 467, BS 7430:2011/BS 7430 2015: A+, Egyptian Code or foundation of design and conditions of implementation of electrical connectors and conductors - Nov 2004

Sample Code: 1050/22

Certificate Validity: This test certificate valid from 2022 August 17 until 2023 August 17

Authorized by: Central Metallurgical R & D Institute (CMRDI) Ministry of Scientific Research

Investigated by: Dr. Mona Hassan, Techni. Yehia Makhlof

Head of TSD: Eng. Nasser Gomaa

Signature: Zeinab Abdel Hamid, 17/8/2022

Issued to: **PROFESSIONAL INTEGRATED SOLUTIONS FOR TRADING AND CONSTRUCTIONS**

Name of sample: (3/4", 1500mm), Copper coated steel earthing Rod with trade mark (P.L.S)

Tests Standards: IEC 62561-2: 2018, UL 467, BS 7430:2011/BS 7430 2015: A+, Egyptian Code or foundation of design and conditions of implementation of electrical connectors and conductors - Nov 2004

Sample Code No. 1050/22

Certificate Validity: This test certificate valid from 2022 August 17 until 2023 August 17

Authorized by: Central Metallurgical R & D Institute (CMRDI) Ministry of Scientific Research

Investigated by: Dr. Mona Hassan, Techni. Yehia Makhlof

Head of TSD: Eng. Nasser Gomaa

Signature: Zeinab Abdel Hamid, 17/8/2022

Issued to: **PROFESSIONAL INTEGRATED SOLUTIONS FOR TRADING AND CONSTRUCTIONS**

Name of sample: (5/8", 1500mm), Copper coated steel earthing Rod with trade mark (P.L.S)

Tests Standards: IEC 62561-2: 2018, UL 467, BS 7430:2011/BS 7430 2015: A+, Egyptian Code or foundation of design and conditions of implementation of electrical connectors and conductors - Nov 2004

Sample Code No. 1050/22

Certificate Validity: This test certificate valid from 2022 August 17 until 2023 August 17

Authorized by: Central Metallurgical R & D Institute (CMRDI) Ministry of Scientific Research

Investigated by: Dr. Mona Hassan

Head of TSD: Eng. Nasser Gomaa

Signature: Zeinab Abdel Hamid, 17/8/2022

رقم التقرير: J006/2023

التاريخ: 19/08/2023



20507

تقرير عن نتائج اختبار التحميل الاستاتيكي في الضغط المحوري

على غرفة تقشيش خرسانية

العميل: بي اي أس للحلول المتكاملة للتجارة والمقاولات
تم إعداد هذا التقرير بناءً على طلب بي اي أس للحلول المتكاملة للتجارة والمقاولات بخصوص إجراء اختبار التحميل الاستاتيكي في الضغط المحوري على غرفة تقشيش خرسانية.

العينة الموردة:

– عدد "1" غرفة تقشيش خرسانية بأبعاد اسمية 30*30 سم وارتفاع 30 سم عبارة عن هيكل جوانب خرسانية بغطاء خرساني كما هو موضح بالشكل رقم (1).



شكل رقم (1): متوسط الأبعاد للعينة الموردة (بالمليمتر)

تم توريد العينة إلى الوحدة بتاريخ 15/08/2023 بمعرفة العميل وعلى بصيرة المهندس/م. محمد حشمت
خطاب العميل أو من على العينة.

يمكن الاطلاع على النسخة الإلكترونية للتقرير باستخدام (QR Code) الموجود أعلى الصفحة و/أو كلمة المرور (Password) المنتم للعميل
1/2

<https://eng.asu.edu.eg/home/consultancy/verify/>

بنة – القاهرة
1 El-Sarayat St., Abbasi

رقم التقرير: J006/2023

التاريخ: 19/08/2023



20507

نتائج الاختبار

تم إجراء اختبار التحميل الاستاتيكي بالضغط المحوري على غرفة التقشيش الخرسانية الموردة وذلك بتحميل العينة بحمل محوري موزع بانتظام على مساحة الغطاء الخرساني.

الشكل رقم (2) يوضح طريقة إجراء الاختبار حيث تم زيادة حمل الضغط تدريجياً حتى الوصول للحمل الأقصى حيث حدث الانهيار بجسم الهيكل الخارجي لغرفة التقشيش طبقاً لما هو موضح بالشكل رقم (3).

العينة	حمل الانهيار (طن)	ملاحظات
1	9.70	كسر مائل بجانبي هيكل الغرفة



شكل رقم (3): شكل الانهيار



شكل رقم (2): نظام التحميل

وحدة أبحاث خواص المواد واختبار المواد
كلية الهندسة – جامعة عين شمس
م. محمد حشمت

راجع التقرير

أعد التقرير
م/ محمد حشمت

2/2

يمكن الاطلاع على النسخة الإلكترونية للتقرير باستخدام (QR Code) الموجود أعلى الصفحة و/أو كلمة المرور (Password) المنتم للعميل.
<https://eng.asu.edu.eg/home/consultancy/verify/>



**PIS Global
ACCREDITATION**

Certificate of Compliance

Certificate Number:

UL-US-2322682-2

Report Reference:

E534991-20230615

Issue Date:

2025-06-20

Issued to:

Professional For Integrated Solutions for Trade and construction (P.I.S.)
Building 26, No, 1 North Quoronfel – First Settlement, Cairo, 11511, EG

This certificate confirms that representative samples of:

OVTK - Lightning Conductors, Air Terminals and Fittings

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

ANSI/CAN/UL 96:2023, 6th Ed., Issue Date: 2016-6-30, Revision Date: 2023-5-9

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



A handwritten signature in black ink, appearing to read 'David Piecuch'.

David Piecuch
UL Mark Certification Program Owner

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.

Certificate of Compliance

Certificate Number:

UL-US-2426715-0

Report Reference:

E529979-20240709

Issue Date:

2024-07-15

Issued to:

Professional For Integrated Solutions for Trade and construction (P.I.S.)
Building 26, No, 1 North Quoronfel – First Settlement Cairo 11511
Egypt

This certificate confirms that representative samples of:

KDER - Grounding and Bonding Equipment

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

UL 467, Edition 11, Issue Date 2022-04-29

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



David Piecuch
UL Mark Certification Program Manager

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.



Certificate of Compliance

Certificate Number:

UL-CA-2319691-2

Report Reference:

E534991-20230615

Issue Date:

2025-06-20

Issued to:

**Professional For Integrated Solutions for Trade and construction (P.I.S.)
Building 26, No, 1 North Quoronfel – First Settlement, Cairo,
11511, EG**

This certificate confirms that representative samples of:

**OVTK7 - Lightning Conductors, Air Terminals and Fittings
Certified for Canada**

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

**ANSI/CAN/UL 96:2023, 6th Ed., Issue Date: 2016-6-30, Revision
Date: 2023-5-9**

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

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Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



A handwritten signature in blue ink, appearing to read 'David Piecuch'.

David Piecuch
UL Mark Certification Program Owner

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2322682-0
Report Reference E534991-20230615
Date 20-Jun-2023

Issued to: Professional For Integrated Solutions for Trade and construction (P.I.S.)
Building 26, No, 1 North Quoronfel – First Settlement
Cairo 11511
Egypt

This is to certify that representative samples of OVTK - Lightning Conductors, Air Terminals and Fittings
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/CAN/UL 96:2023, 6th Ed., Issue Date: 2016-6-30,
Revision Date: 2023-5-9

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.


Deborah Jennings-Corner, VP Regulatory Services

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2323501-0
Report Reference E529979-20230530
Date 31-May-2023

Issued to: Professional For Integrated Solutions for Trade and construction (P.I.S.)
Building 26, No, 1 North Quoronfel – First Settlement
Cairo 11511
Egypt

This is to certify that representative samples of KDER - Grounding and Bonding Equipment
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 467, Edition 11, Issue Date 2022-04-29

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.


Deborah Jennings-Corner, VP Regulatory Services
UL LLC



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2320411-0
Report Reference E529979-20230530
Date 31-May-2023

Issued to: Professional For Integrated Solutions for Trade and
construction (P.I.S.)
Building 26, No, 1 North Quoronfel – First Settlement
Cairo 11511
Egypt

**This is to certify that
representative samples of**

KDER7 - Grounding and Bonding Equipment Certified for
Canada

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: CSA C22.2 No. 41:22, 7th Ed., Issue Date: 2022-04-29

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.


Deborah Jennings-Corner, VP Regulatory Services
UL LLC



CERTIFICATE OF COMPLIANCE

Certificate Number E534991
Report Reference E534991-20230615
Date 2023-June-16

Issued to: Professional For Integrated Solutions for Trade and
construction (P.I.S.)
Building 26, No, 1 North Quoronfel – First Settlement
Cairo 11511 EG

**This is to certify that
representative samples of**

**LIGHTNING CONDUCTORS, AIR TERMINALS AND
FITTINGS**

Class II Air Terminal Base Support, Cat. No. PISAT-103.

Class II Air Terminal, Cat. No. PIS-03

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/CAN/UL 96, Lightning Protection Components

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Deborah Jennings-Corner

Deborah Jennings-Corner, VP Regulatory Services

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2319691-0
Report Reference E534991-20230615
Date 20-Jun-2023

Issued to: Professional For Integrated Solutions for Trade and construction (P.I.S.)
Building 26, No, 1 North Quoronfel – First Settlement
Cairo 11511
Egypt

**This is to certify that
representative samples of**

OVTK7 - Lightning Conductors, Air Terminals and Fittings
Certified for Canada
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/CAN/UL 96:2023, 6th Ed., Issue Date: 2016-6-30,
Revision Date: 2023-5-9

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Deborah Jennings-Corner

Deborah Jennings-Corner, VP Regulatory Services

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For the Following Scope

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IAF / EA Code(s) 17,18, 19, 28

Date of initial issue 10/08/2025

Date of issue 10/08/2025

Expiry Date 09/08/2028

1st Surveillance 09/08/2026

2nd Surveillance 09/08/2027

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The Validity of This Certificate will be Maintained by Annual Surveillance Audits and renewal Audit Every three Years
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