



**Technical Submittal & Company**  
**Profile**

**Contents:**

- 1)ISO Certificate and Test Report
- 2)Manufacturer Profile
- 3)Reference
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# 1-Certificate





# CERTIFICATE

## QUALITY MANAGEMENT SYSTEM

### SOFTEX

ADDRESS1: 18 WALI ST. KOBRY ELKOBBA, CAIRO, EGYPT.

ADDRESS2: 3RD FLOOR, BUILDING NO.3, NAGIB MAHFOUZ ST., 1ST NASR CITY,  
CAIRO, EGYPT.

### SCOPE

SOFTWARE DEVELOPMENT ENGINEERING AND SUPPLY OF CABLE TRAYS,  
TRUNKS, LADDERS AND LOW VOLTAGE SWITCHGEAR

This is to certify that the Quality Management System of the above-mentioned Company meets the  
requirement of

ISO 9001:2015

**MSE: 1890724A**

Certificate Number

**31 JULY 2024**

Date of Initial Registration

**31 JULY 2024**

Date of Last Issue

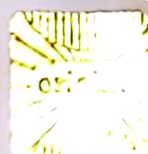
**30 JULY 2025**

Date of Expiry

Certificate is valid for 3 years (31/07/2024 to 30/07/2027) from the date of Initial registration.  
Upon successful completion of surveillance audit a new certificate with an extended validity will be issued.  
Rev.00, dt. 31.07.2024

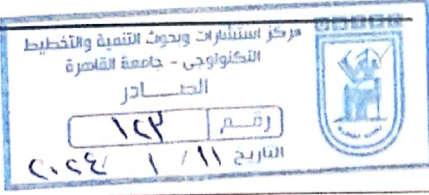
Authorized By

Certification Manager



For Verification and updated information please visit [www.ossmiddleeast.com/verify-certificates](http://www.ossmiddleeast.com/verify-certificates)  
26 Al Anwar Church, Janakjees, Alexandria, Egypt. Email: [Info@ossmiddleeast.com](mailto:Info@ossmiddleeast.com), Tel: +201211110296

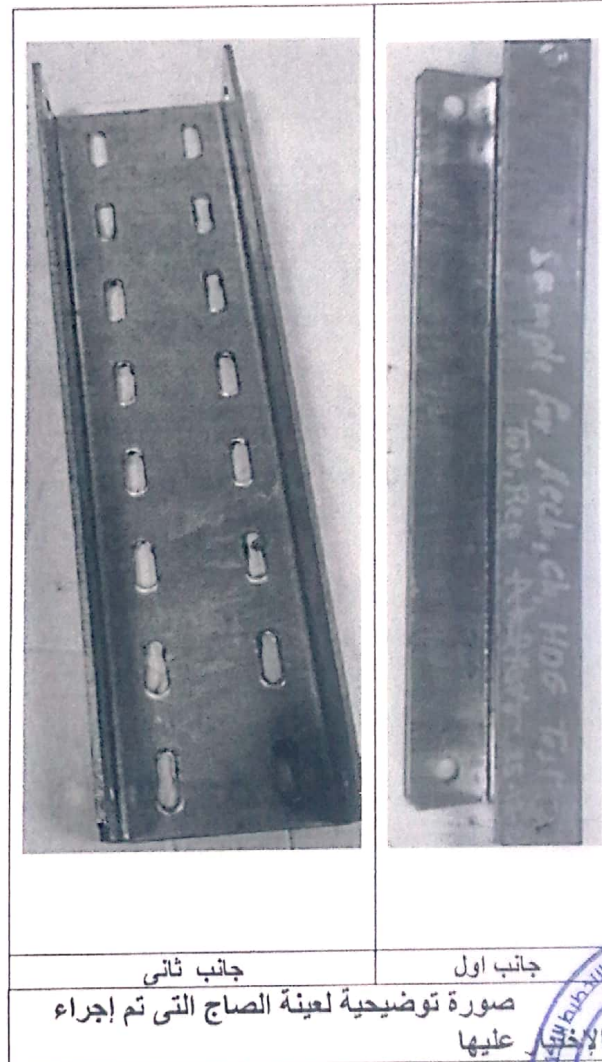




تقرير اختبار سمك طبقة الجلفنة

2024/1/3	رقم الوارد:
2024/1/9	رقم الصادر:
Softex Co.	العميل:
EGYPT 200MW COMOMBOW SOLAR PHOTOVOLTIC POWER PLANT	المشروع

تقرير فني عن اختبار قياس سمك جلفنة على عينة يوشانيل مثقوب مقاس 45\*82 سم طول 60 سم وسمك 3 مم النتائج المبينة في التقرير لا تمثل إلا العينة التي تم اختبارها والتي تم توريدها الى المعمل بمعرفة العميل وأي اسقاط لها على كميات اخرى مسنولية العميل .



جانب اول  
صورة توضيحية لعينة الصاج التي تم إجراء  
الاجراء عليها

جانب ثاني



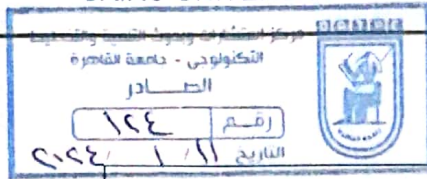


نتائج الاختبار

عينة يو شاتيل مثقوب مقاس 45*82 سم طول 60 سم وسماك 3 مم					إسم العينة
155	153	144	146	151	نتائج قياس سمك طبقة الجلفنه على سطح العينه (ميكرون) $\mu m$
149.8					متوسط سمك طبقة الجلفنه على سطح العينه (ميكرون) $\mu m$

تمت القياسات تحت إشراف  
أ.د. محمد رشاد طه فرج  
mob: 01005260882





## Hardness Test Report

2024/1/3	رقم الوارد:
2024/1/9	رقم الصادر:
Softex Co.	العميل:
EGYPT 200MW COMOMBOW SOLAR PHOTOVOLTIC POWER PLANT	المشروع

تقرير الاختبار:

فيما يلي نتائج اختبار عينة يو شاتيل مثقوب مقاس 82\*45 سم طول 60 سم وسمك 3 مم

### Test Report:

The following are the results of the test of sample of perforated U Channel 82\*45cm, 60cm length 3mm thickness

### Test Condition

Temperature: 23°C Humidity: 55% RH

Mechanical Tests: Test machine Avery-DENISON, Avery Export Limited Testing machine.

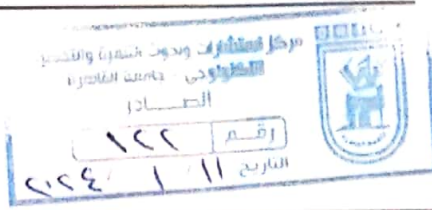
perforated U Channel 82*45cm, 60cm length 3mm thickness	122HV
---	-------

- The tests result represents a sample provided – by the customer- to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Test have been found satisfactory.

Report Prepared by :

Prof. Dr. Mohammed Rashad Tahar  
DRTPC Consultant





## Tensile Test Report

2024/1/3	رقم الوارد:
2024/1/9	رقم الصادر:
Softex Co.	العميل:
EGYPT 200MW COMOMBOW SOLAR PHOTOVOLTIC POWER PLANT	المشروع

تقرير الاختبار:

فيما يلي نتائج اختبار عينة يو شانيل مثقوب مقاس 82\*45 سم طول 60 سم وسمك 3 مم

### Test Report:

The following are the results of the test of sample of perforated U Channel 82\*45cm, 60cm length 3mm thickness

### Test Condition

Temperature: 23°C Humidity: 55% RH

Mechanical Tests: Test machine SHIMADZU /UH 1000KMX Universal Testing machine.

Sample Code No	Yield Strength N/ mm <sup>2</sup>	Ultimate Strength N/ mm <sup>2</sup>	Elongation (%)
perforated U Channel 82*45cm, 60cm length 3mm thickness	278	381	42

- The tests result represent a sample provided – by the customer- to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Test results are found satisfactory.

Report Prepared by :

Prof. Dr. Mohammed Rashad Taha  
DRTPC Consultant





DEVELOPMENT RESEARCH  
AND TECHNOLOGICAL  
PLANNING CENTER



مركز استشارات وبحوث التنمية  
والتخطيط التكنولوجي  
جامعة القاهرة

**Chemical Test Report**

2024/1/3	رقم الوارد:
2024/1/9	رقم الصادر:
Softex Co.	العميل:
EGYPT 200MW COMOMBOW SOLAR PHOTOVOLTIC POWER PLANT	المشروع

تقرير الاختبار:

فيما يلي نتائج اختبار عينة يو شاتيل مثقوب مقاس 45\*82 سم طول 60 سم وسمك 3 مم

Test Report:

The following are the results of the test of sample of perforated U Channel 82\*45cm, 60cm length 3mm thickness

Test Condition

Temperature: 23°C

Humidity: 55% RH

Chemical Test:

Test equipment: ARL 3460 spectrometer Arc/Spark OES

perforated U Channel 82*45cm, 60cm length 3mm thickness	Elements Analyzed, %													
	C	Mn	Si	P	S	Ni	Cr	Cu	Mo	V	Ta	AL	B	Fe
	0.041	0.24	0.022	0.009	0.0045	0.03	0.019	0.37	0.003	0.004	0.065	0.00	0.00	98.2

- The tests result represents a sample provided – by the customer- to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Test have been done considering the EN 10025-1, EN 10025-2 and found satisfactory.

Report Prepared by :

Prof. Dr. Mohammed Rashad Taha



رقم بريدى : ١٢٢١١ جيزة - مصر ص.ب : ٣٨ فاكس : ٣٥٧٣٦٦٠١ : تليفون : ٣٥٧٠٧٧١٣ - ٣٥٦٨٧٦٩٦ - ٣٥٧٢٨٥٣٢ - ٣٥٧٢٨٦٢٣  
E-mail: info@drtpc.org Mail: 12211Giza - Egypt P.O.Box: 38 Fax: 35736601 Tel.: 35707713 - 35687696 - 35728532 - 35728623

## Impact Test Report

2024/1/3	رقم الوارد:
2024/1/9	رقم الصادر:
Softex Co.	العميل:
EGYPT 200MW COMOMBOW SOLAR PHOTOVOLTIC POWER PLANT	المشروع

تقرير الاختبار:

فيما يلي نتائج اختبار عينة يو شانييل مثقوب مقاس 45\*82 سم طول 60 سم وسمك 3 مم

### Test Report:

The following are the results of the test of sample of perforated U Channel 82\*45cm, 60cm length 3mm thickness

### Test Condition

Temperature: 23°C Humidity: 55% RH

Mechanical Tests: Test machine Vickers Hardness Tester.

	Impact toughness  J		
perforated U Channel 82*45cm, 60cm length 3mm thickness	20	21	21

- The tests result represents a sample provided – by the customer- to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Sample is found satisfactory.

Report Prepared by :



Prof. Dr. Mohammed Rashad Taha



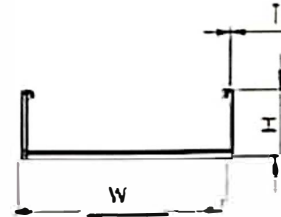
## Mechanical Testing Unit

### Bend Test Report

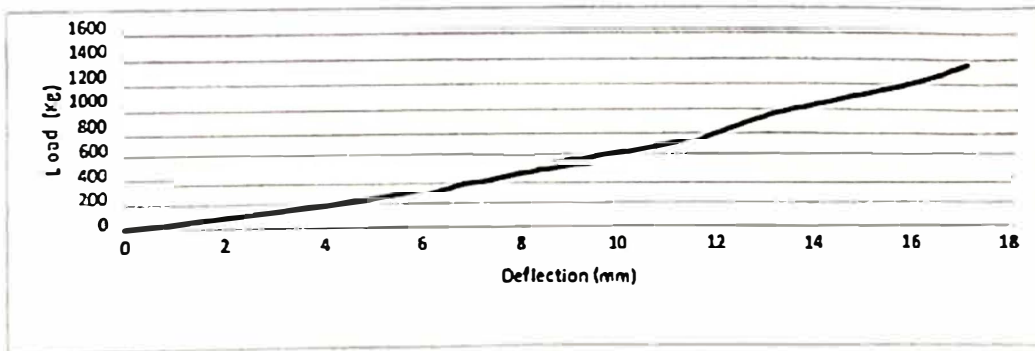
Customer name : Softex  
Sample receiving date : 2/8/2021  
Sample code number : 2817/18  
Number of samples : One Sample  
Testing date : 2/8/2021  
Releasing date : 2/8/2021  
Testing apparatus : Universal Testing Machine  
Test conditions : Temperature: 22 °C Humidity: 38%  
Report number : 9/174  
File number : 878

### Test Results

T=2mm  
W=900mm  
H=100mm  
Rung=30\*15mm, 300mm Spacing  
Effective Loading Depth=85mm  
Material: Black Steel St37  
Total Working load (L) 68Kg/30cm=226.6Kg/m.  
Safety Factor=200%.  
Total Load=226.6\*3\*2=1360KG



Load (Kg)	0	136	272	408	544	680	816	952	1088	1224	1360
Deflection (mm)	0	3	5.5	7	9	11	12	13	14.5	16	17



Eng. Ramadan Nagy

Technical Manager  
Softex  
ALREACT SYSTEMS  
Eng. Khaled Sadok

Head of TSD  
Eng. Nasser Gomaa



**Results of Load Deflection Test According to NEMA STD VE1**

Test Date: 23/8/2020

Sample under Test: Perforated Cable Tray

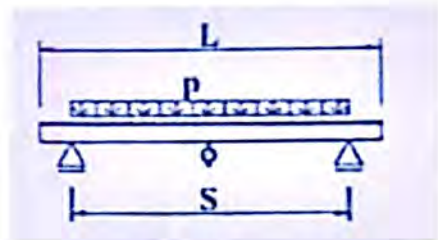
Sample Size: 200\*100 mm



T=1.5mm  
W=200mm  
H=100mm  
Effective Loading Depth=100mm  
Material: Black Steel St37

**Test Procedures as per NEMA STD VE1:**

- Preparing a test sample 3000mm in length (L).
- Preparing a test supports with span length between 2500mm (S).
- Putting the specimen on the support in 100% horizontal position.
- Applying 68kg/30cm with safety factor \*2.
- Applying 90kg @ mid span.



**Notes:**

Total Working load (L) 68Kg/30cm=226.6Kg/m.

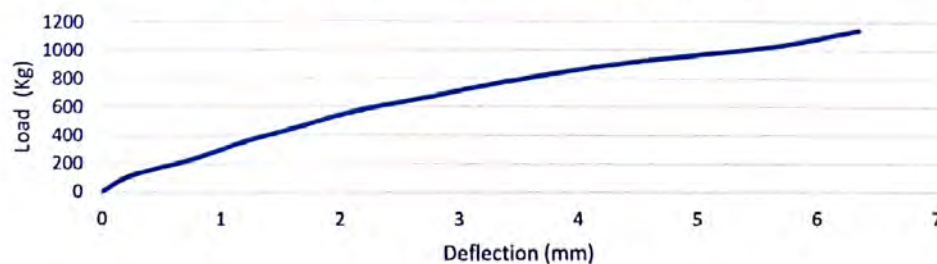
Safety Factor=200%.

Total Load=226.6\*2.5\*2=1140KG.

**Results**

Load (Kg)	0	114	228	342	456	570	684	798	912	1026	1140
Deflection (mm)	0	0.25	0.75	1.15	1.65	2.15	2.85	3.55	4.45	5.65	6.35

Load Deflection Curve For 1.5mm Cable Tray



QA&C

**Test Result:**

- Maximum deflection occurred @1140KG is 6.35mm.
- The average deflection is 2.62mm.
- No failure occurred to the specimen.

**Prepared By**  
Eng Ahmed Mansour

*AM*

**Approved By**  
Eng Ahmed Mokhtar

*23/8*  
*20/11/2016* *Ahmed Mokhtar*

*QA/C*

**Softex SES**  
ELECTRICAL SYSTEMS

**Results of Load Deflection Test According to NEMA STD VE1**

Test Date: 23/8/2020

Sample under Test: Perforated Cable Tray

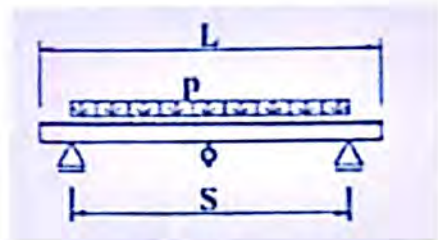
Sample Size: 200\*100 mm



T=1.5mm  
W=200mm  
H=100mm  
Effective Loading Depth=100mm  
Material: Black Steel St37

**Test Procedures as per NEMA STD VE1:**

- Preparing a test sample 3000mm in length (L).
- Preparing a test supports with span length between 2500mm (S).
- Putting the specimen on the support in 100% horizontal position.
- Applying 68kg/30cm with safety factor \*2.
- Applying 90kg @ mid span.



**Notes:**

Total Working load (L) 68Kg/30cm=226.6Kg/m.

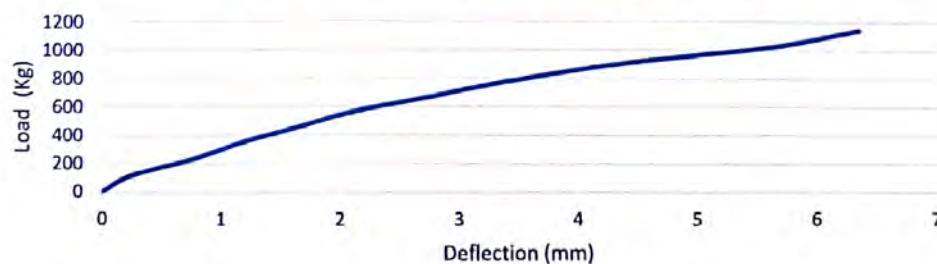
Safety Factor=200%.

Total Load=226.6\*2.5\*2=1140KG.

**Results**

Load (Kg)	0	114	228	342	456	570	684	798	912	1026	1140
Deflection (mm)	0	0.25	0.75	1.15	1.65	2.15	2.85	3.55	4.45	5.65	6.35

Load Deflection Curve For 1.5mm Cable Tray



QA&C



**Test Result:**

- Maximum deflection occurred @1140KG is 6.35mm.
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**Prepared By**  
Eng Ahmed Mansour

*AM*

**Approved By**  
Eng Ahmed Mokhtar

*23/8*  
*20/11/2016* *Ahmed Mokhtar*

*QA/C*

**Softex SES**  
ELECTRICAL SYSTEMS

قسم الاختبارات الفيزيائية

تقرير اختبار سمك طبقة الطلاء

رقم التقرير	١٨/٣٨	تاريخ إصداره	٢٠١٨/٦/٢٤
اسم العميل	Softex Your Business Future	عنه مجلفنه	١٨/٢٨١٧
عدد العينات	عدد (١) عينه	شكل العينات	٢٠١٨/٦/٢٠
بيانات العينات	عنه حامل كابلات مخرم مقاس ٣٠ * ١٠ سماسة ٢ مم	الرقم الكودى للعينات	٢٠١٨/٦/٢٠
تاريخ استلام العينات	٢٠١٨/٦/٧	تاريخ إجراء الاختبار	٢٠١٨/٦/٢٠
الظروف البيئية	درجة الحرارة : ٢٢,٥ °C	الرطوبة : ٤٠ %	
الطريقة المستخدمة	ASTM B499-2014:		
اسم الجهاز المستخدم	Posi-tector 6000 :- ( شريحة مرجعية ٢٤ & ٥٤ & ١٢٩ ميكرون )		
تاريخ المعايرة	داخليه : ٢٠١٨/٦/٢٠	خارجيه : يوليو ٢٠١٧	
رقم الملف	٨٧٨	عدد صفحات التقرير	عدد (١) صفحه

نتائج الاختبار

اسم العينة	عنه حامل كابلات مخرم مقاس ٣٠ * ١٠ سماسة ٢ مم
كود العينة	١٨/٢٨١٧
نتائج قياس سمك طبقة الجلفنه على سطح العينه (ميكرون) $\mu m$	٥٠ ٤٨ ٤٢ ٥٥ ٦٠
متوسط سمك طبقة الجلفنه على سطح العينه (ميكرون) $\mu m$	٥١
قيمة اللايقين لسمك طبقة الجلفنه على سطح العينه (ميكرون) $\mu m$	$\pm ٢,١٧$

- درجة اللايقين محسوبة على أساس معامل تزايد (K=2) عند مستوى ثقة تساوى ٩٥ % تقريباً.
- نتائج الاختبارات تمثل العينة المقدمة للمركز فقط ولا تمثل الانتاج او اى كميات اخرى طرقت جهة تقديم.
- التقارير التى يصدرها المركز بزيه وتضمن الجهة الطالبة وحدها ولا يجوز اعطاء صورته منها لاي جهة اخرى.
- تتقاضى مسئولية المركز عن تسليم باقي العينات له خلال ٣٠ يوماً من صدور التقرير او استغلا العينة فى الاختبارات.



المسئول الفني  
ك/ رضا عبد المجيد

القائم بالعمل  
ك/ حسام عثمان

رقم الصفحة	١
عدد الصفحات	١

F-TSD-05-10/01/08

## Mechanical Testing Unit

### Impact Test report

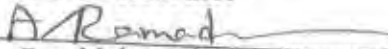
Customer name : Softex your Business Future  
Sample receiving date : 7/6/2018  
Sample code number : 2817/18  
Number of samples : One Sample  
Testing date : 17/7/2018  
Report releasing date : 17/7/2018  
Testing apparatus : Impact Testing Machine  
Test Temperature : ( R.T °C )  
Report number : 34/16\*  
File number : 878

### Test Results

Sample Code No.	Impact Toughness [J]		
2817/18	20	21	21

- The reported results represent the received samples only.
- Test reports are confidential and not allowed to be handled with other customers.
- The rest of samples cannot be returned after 30 days from receiving the report.

Test Performer

  
Eng. Mohamed Abd Elhameed



Technical Manager

  
Eng. Khaled Sadek

Head of TSD

  
Eng. Nasser Gomaa

Page no.1/1



## Mechanical Testing Unit

### Hardness Test Report

Customer name : Softex your Business Future  
Sample receiving date : 7/6/2018  
Sample code number : 2817/18  
Number of samples : One Sample  
عينة حامل كابلات مخروم مقاس 30 x 10 سماكه 2 مم  
Testing date : 17/7/2018  
Releasing date : 17/7/2018  
Testing apparatus : Vickers Hardness Tester  
Test conditions : Temperature: 22 °C Humidity: 38%  
Report number : 34/13\*  
File number : 878

### Test Results

Sample Code No.	HV(10)
2817/18	122

- The reported results represent the received samples only.
- Test reports are confidential and not allowed to be handled with other customers.
- The rest of samples cannot be returned after 30 days from receiving the report.

Test Performer

A/Ramada  
Eng. Mohamed Abd Elhameed

Softex SES  
ELECTRONIC SYSTEMS  
Technical Manager

A/Ramada  
Eng. Khaled Sadek

Head of TSD



## Mechanical Testing Unit

### Tensile Test Report

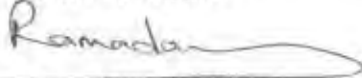
Customer name : Softex your Business Future  
Sample receiving date : 7/6/2018  
Sample code number : 2817/18  
Number of samples : One Sample  
Testing date : 28/6/2018  
Releasing date : 8/7/2018  
Testing apparatus : Universal Testing Machine  
Test conditions : Temperature: 22 °C Humidity: 38%  
Report number : 243/11\*  
File number : 878

### Test Results

Sample Code No.	Yield Strength N/mm <sup>2</sup>	Ultimate Strength N/mm <sup>2</sup>	Elongation (%)
2817/18	304	339	35

- The reported results represent the received samples only.
- Test reports are confidential and not allowed to be handled with other customers.
- The rest of samples cannot be returned after 30 days from receiving the report.

Test Performer

  
Eng. Ramadan Nagy

  
Technical Manager

  
Eng. Khaled Sadek

Head of TSD

  
Eng. Nasser Gomaa





**CENTRAL METALLURGICAL RESEARCH AND  
DEVELOPMENT INSTITUTE**  
FOUNDRY DEPARTMENT



Department: Chemical Test

**Chemical analysis report**

Report No : 430 / 18 Issue date : 19 / 7 / 2018  
 Customer Name : Softex your Business Future  
 No of samples: 1 Sample Shape part from : عينة حامل كابلات مخروم مقاس 10\*30 سمك 2 مم  
 Samples identification : - Sample code number: 2817/18  
 Samples receiving date : 19 / 7 / 2018 Date of testing: 19 / 7 / 2018  
 Environmental Condition : Temp: 19.5 °C Humidity : 30  
 Equipment used : Foundry master  
 File No : 878 Number of pages of the report: 1

Test Result

Constituent	Wt (%)	Constituent	Wt (%)
C	0.041	Cu	0.037
Si	0.029	Nb	0.004
Mn	0.247	Ti	0.0005
P	0.003	V	0.002
S	0.005	W	0.007
Cr	0.019	Pb	0.004
Mo	0.003	B	0.0003
Ni	0.002	Ta	0.065
Al	0.018	N	0.0082
Co	0.007	Fe	99.4

- The reported results represent the received samples only.
- Test reports are confidential and not allowed to be handled with other customers.
- The rest of samples cannot be returned after 30 days from receiving the report.
- The expanded uncertainty is based on standard uncertainty multiplied by a coverage

Operated by  
*Hyam*  
Eng. H. Abo kasha

Technical Manager  
*Prof. M. Waly*  
Prof. M. Waly

Department Head  
*Prof. K.H. M. Ibrahim*  
Prof. K.H. M. Ibrahim



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## 2-Manufacturer Profile





CABLE TRAYS  
CABLE TRUNKS  
CABLE LADDERS  
ACCESSORIES

■ Introduction .....	<b>2</b>
■ How to choose Tray/Trunk/Ladder .....	<b>3</b>
■ Surface Protection .....	<b>4</b>
■ Cable Trays .....	<b>5</b>
■ Cable Trunks .....	<b>7</b>
■ Cable Ladders .....	<b>9</b>
■ Accessories .....	<b>11</b>
■ Choosing tray acc. to cable dia. ....	<b>12</b>
■ 10 Digits Ordering Code .....	<b>15</b>

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# INTRODUCTION

Softex is a very fast growing company started its business in 2004 as a software development house under the name of **Softex Software House (SSH)**, we design and develop professional business solutions which are presented to our customers with the most friendly and easy to use interface.

Our products are including ERP Systems under the name of Market Control, CRM Systems, Tourism and reservation Systems under the name of Travel Control, Clinics Managers, Web Design Solutions, Domain reservation Systems. Our software crossed the boards reaching UAE and KSA through two branch offices serving a wide base of customers.

In 2009, we started our business as a leading specialist in low current system integration under the name of **Softex System Integration (SSI)**, we provide CCTV Systems, Access Control Systems, Intrusion Systems, Fire Alarm Systems, Public Address Systems and Information Technology Systems. It is our mission to provide customers with the latest and advanced technological Solutions & services.

In 2015, we started our business as a solution provider for electrical products serving the Electrical transmission sector in Egypt under the name of **Softex Electrical Systems (SES)**, we provide latest technology and highest standards in products, our profile includes Cable Trays and Ladders, Control & Protection Equipments, metering solutions and signaling equipments.

Softex is chosen by many of the big customers because of high profile technical support, customer service, reputation, problem solving and design to resulting in earning trust of customers and continuous cooperation.

## Our customer list includes:



## - Tray?

- Is suitable for most applications.
- Provide easy cable laying & optional protection of cable.
- Perforation ensure that the heat is discharged sufficiently

## - Trunk?

- Provide easy cable laying.
- Imperforation ensure that the best protection of the cable.
- Suitable for cables with very low heat generation.

## - Ladder?

- Suitable for power cables for a higher degree of heat generation.
- Suitable for all types of cables outdoor or in areas with dirt assurance.

## . Side height?

- Depend on the cable size & type.

## . Cross section area?

- Determine the cross section areas of your cables within a square.
- Add the cross section areas of all the cables.
- Add 25% of future reserve.
- Now you have the cross section area of the tray.
- From the suitable height you can know the tray width.

## . Support spacing?

- It's the distance between two support points.
- Its recommended to use standard support spacing 1.5m.
- From the loading diagram you can see the deflection.

## . Surface Treatment?

- According to atmosphere, place, etc.

## Hot dip Galvanized

According to DIN 50976

Hot dip galvanized products are suitable for outdoor purposes providing an extreme protection against harsh conditions.

**SES** hot dip galvanized cable trays are immersed in liquid zinc after manufacturing, so that all edges and welds are also protected against corrosion.

The approximate values for the annual zinc loss thickness is:

Non-urbanized air	1-2MM
Urbanized air	3-5MM
Seas air	5-10 MM
Industrial air	5-10 MM

## Electrostatic Epoxy Painted

Upon customer request we can provide this solution for high aesthetic requirements or special corrosive demands with a coating especially suited to customer's purpose. All colors are available suitng different environments. Also we can provide:

- a- Pre-galvanized & Electrostatic Epoxy Coated.
- b- H.D.G with Electrostatic Epoxy Coated.

## Stainless steel

**SES** stainless steel products available for special applications as food industry, pharmaceutical and chemical environments.

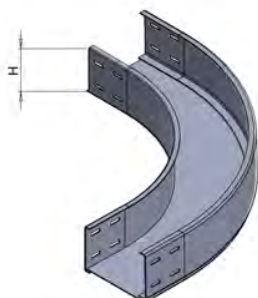


## Standard Cable Trays Dimensions



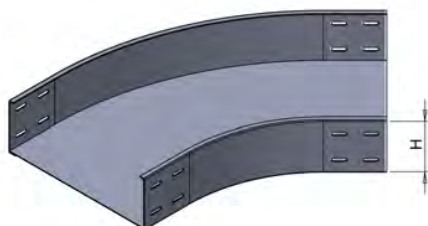
Width Wmm	Height Amm	Thickness mm	Length Lmm	Cover
050				
100				
150	25	1.0		On request
200	50	1.25	2000	1.25 mm
250	75	1.5	2500	Thickness
300	100	2.0	3000	2000 mm
350				Length
400				
450				
500				
600				

## Standard Cable Tray Horizontal Bend 90 Connection



Width W1mm	Width W2mm	Height Amm	Thickness mm	Cover
050	050			
100	100			
150	150	25	1.0	
200	200	50	1.25	On request
250	250	75	1.5	1.25 mm
300	300	100	2.0	Thickness
350	350			
400	400			
450	450			
500	500			
600	600			

## Standard Cable Tray Horizontal Bend 45 Connection



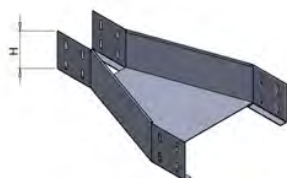
Width W1mm	Width W2mm	Height Amm	Thickness mm	Cover
050	050	25	1.0	
100	100	50	1.25	
150	150	75	1.5	
200	200	100	2.0	On request
250	250			1.25 mm
300	300			Thickness
350	350			
400	400			
450	450			
500	500			
600	600			

\*Photos are for reference only but does not reflect the actual product design.

\*Any other dimensions or requirements are available upon request.

\*Individual designs shall be presented on projects basis.

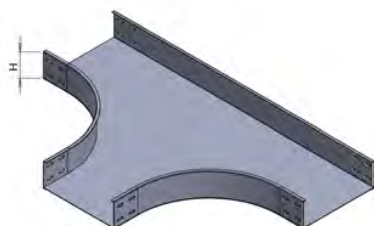
## Standard Cable Tray Horizontal Reducer Connection



Width Wmm	Width W2mm	Height Amm	Thickness mm	Reducer Dir.	Cover
050	050	25			
100	100	50	1.0		
150	150	75	1.25	L	
200	200	100	1.5	R	
250	250		2.0	M	
300	300				
350	350				
400	400				
450	450				
500	500				
600	600				

On request  
1.25 mm  
Thickness

## Standard Cable Tray Horizontal Tee Connection



Width W1mm	Width W2mm	Width W3mm	Height Amm	Thickness mm.	Cover
050	050	050			
100	100	100			
150	150	150	25	1.5	
200	200	200	50	1.25	
250	250	250	75	1.5	
300	300	300	100	2.0	
350	350	350			
400	400	400			
450	450	450			
500	500	500			
600	600	600			

On request  
1.25 mm  
Thickness

## Standard Cable Tray Horizontal X Connection



Width Wmm	Width W2mm	Width W3mm	Width W4mm	Height Amm	Thickness mm	Cover
050	050	050	050			
100	100	100	100			
150	150	150	150	25	1.5	
200	200	200	200	50	1.25	
250	250	250	250	75	1.5	
300	300	300	300	100	2.0	
350	350	350	350			
400	400	400	400			
450	450	450	450			
500	500	500	500			
600	600	600	60			

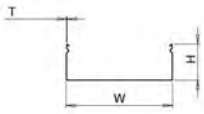
On request  
1.25 mm  
Thickness

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\*Any other dimensions or requirements are available upon request.

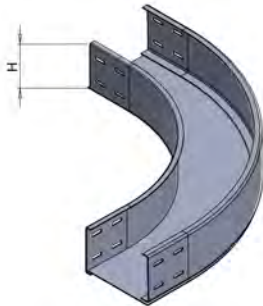
\*Individual designs shall be presented on projects basis.

## Standard Cable Trunk Dimensions



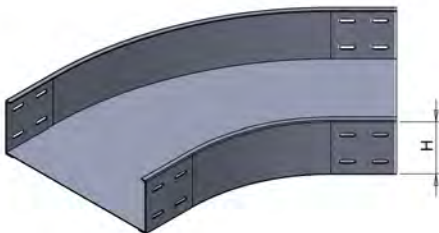
Width Wmm	Height Amm	Thickness mm	Length Lmm	Cover
050				
100				
150	25	1.0		On request
200	50	1.25	2000	1.25 mm
250	75	1.5	2500	Thickness
300	100	2.0	3000	2000 mm
350				Length
400				
450				
500				
600				

## Standard Cable Trunk Horizontal Bend 90 Connection



Width W1mm	Width W2mm	Height Amm	Thickness mm	Cover
050	050			
100	100			
150	150	25	1.0	On request
200	200	50	1.25	1.25 mm
250	250	75	1.5	Thickness
300	300	100	2.0	
350	350			
400	400			
450	450			
500	500			
600	600			

## Standard Cable Trunk Horizontal Bend 45 Connection



Width W1mm	Width W2mm	Height Amm	Thickness mm	Cover
050	050	25	1.0	On request
100	100	50	1.25	1.25 mm
150	150	75	1.5	Thickness
200	200	100	2.0	
250	250			
300	300			
350	350			
400	400			
450	450			
500	500			
600	600			

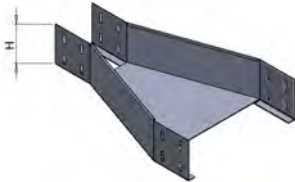
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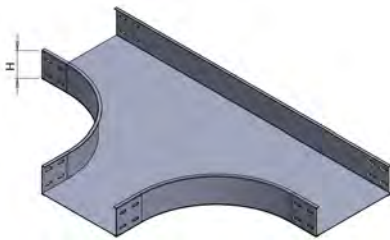
## Standard Cable Trunk Horizontal Reducer Connection



Width Wmm	Width W2mm	Height Amm	Thickness mm	Reducer Dir.	Cover
050	050	25			
100	100	50	1.0		
150	150	75	1.25	L	
200	200	100	1.5	R	
250	250		2.0	M	
300	300				
350	350				
400	400				
450	450				
500	500				
600	600				

On request  
1.25 mm  
Thickness

## Standard Cable Trunk Horizontal Tee Connection



Width W1mm	Width W2mm	Width W3mm	Height Amm	Thickness mm.	Cover
050	050	050			
100	100	100			
150	150	150	25	1.5	
200	200	200	50	1.25	
250	250	250	75	1.5	
300	300	300	100	2.0	
350	350	350			
400	400	400			
450	450	450			
500	500	500			
600	600	600			

On request  
1.25 mm  
Thickness

## Standard Cable Trunk Horizontal X Connection



Width Wmm	Width W2mm	Width W3mm	Width W4mm	Height Amm	Thickness mm	Cover
050	050	050	050			
100	100	100	100			
150	150	150	150	25	1.5	
200	200	200	200	50	1.25	
250	250	250	250	75	1.5	
300	300	300	300	100	2.0	
350	350	350	350			
400	400	400	400			
450	450	450	450			
500	500	500	500			
600	600	600	60			

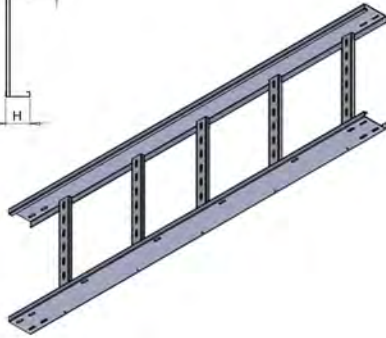
On request  
1.25 mm  
Thickness

\*Photos are for reference only but does not reflect the actual product design.

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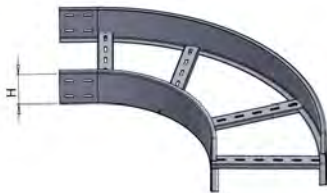
\*Individual designs shall be presented on projects basis.

## Standard Cable Ladders Dimensions



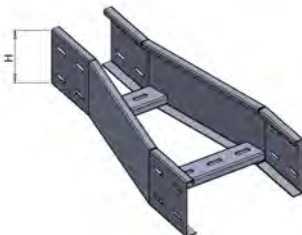
Width Wmm	Height Amm	Thickness mm	Length Lmm	Cover
100	60	Side rail = 2.5 Rungs = 1.5	2000 2500 3000	On request 1.25 mm Thickness 2000 mm Length
150				
200				
250				
300				
350	110			
400				
450				
500				
600				

## Standard cable Ladder Horizontal Bend 90 Connection



Width W1mm	Width W2mm	Height Amm	Thickness mm	Cover
050	050	60	Side rail = 2.0 Rungs = 1.5	On request 1.250 mm Thickness
100	100			
150	150			
200	200			
250	250			
300	300	110		
350	350			
400	400			
450	450			
500	500			
600	600	160		

## Standard cable Ladder Horizontal Reducer Connections



Width Wmm	Width W2mm	Height Amm	Thickness mm	Reducer Dir.	Cover
100	050	60	Side rail = 2.0 Rungs = 1.5	L R M	On request 1.25 mm Thickness
150	100				
200	150				
250	200				
300	250				
350	300	110			
400	350				
450	400				
500	450				
600	500				

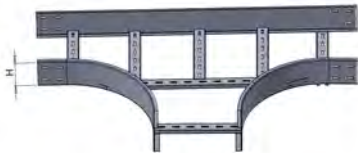
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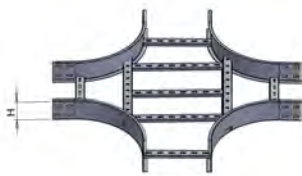
# CABLE LADDERS

## Standard Cable Ladder Horizontal Tee Connection



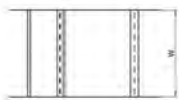
Width W1mm	Width W2mm	Width W3mm	Height Amm	Thickness mm.	Cover
100	100	100			
150	150	150			
200	200	200			
250	250	250	60	Side rail =2.0	On request 1.25 mm Thickness
300	300	300	110	Rungs = 1.5	
350	350	350	160		
400	400	400			
450	450	450			
500	500	500			
600	600	600			

## Standard Cable Ladder Horizontal X Connection



Width Wmm	Width W2mm	Width W3mm	Width W4mm	Height Amm	Thickness mm	Cover
100	100	100	100			
150	150	150	150			
200	200	200	200			
250	250	250	250	60	Side rail =2.0	On request 1.25 mm Thickness
300	300	300	300	110	Rungs = 1.5	
350	350	350	350	160		
400	400	400	400			
450	450	450	450			
500	500	500	500			
600	600	600	600			

## Standard Cable Ladder Vertical Bend 90 Connection



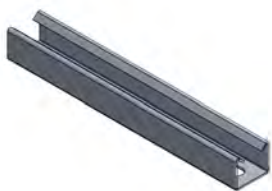



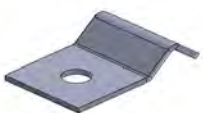




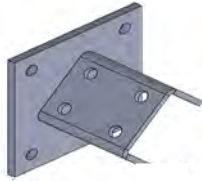
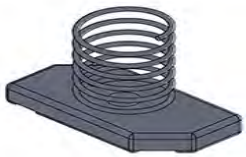

Width W1mm	Height Amm	Thickness mm.	Cover
100			
150			
200			
250	60	Side rail =2.0	On request 1.25 mm Thickness
300	110	Rungs = 1.5	
350	160		
400			
450			
500			
600			

\*Photos are for reference only but does not reflect the actual product design.

\*Any other dimensions or requirements are available upon request.

\*Individual designs shall be presented on projects basis.

## Cable support system

Material	Steel		
Finishing	Hot dip galvanized		
C Chanel		C Channel with welded plate	
Double C Chanel		U Channel	
Hold down Clamp		U Clamp	
Bracket		wall Bracket with plate	
Splice Plate		Base Plate	
Spring Nut		Blind End	

\*All accessories are available upon request.



# CHOOSING TRAY ACC. TO CABLE DIA.

## How to choose the tray according to the cables diameter

Nominal cross sectional area 4*....mm <sup>2</sup>	Approx Overall Diameter mm <sup>2</sup>	Approx Weight KG/m	Heights= 50mm		Heights= 75mm		Heights H= 100mm	
			Approx no.of cables mm	Full load Approx Kn/m	Approx no.of cables mm	Full load Approx Kn/m	Approx no.of cables mm	Full load Approx Kn/m

### Cable tray width = 50mm

6	16	0.43	3	0.01				
10	18.5	0.65	1	0.01				
16	20.9	0.91	1	0.01				

### Cable tray width= 100mm

6	16	0.43	9	0.4	10	0.43	10	0.4
10	18	0.65	7	0.5	6	0.39	6	0.4
16	20.9	0.91	5	0.5	6	0.55	6	0.5
35	25.1	1.65	3	0.5	5	0.83	6	0.10
50	29.3	2.23	2	0.4	3	0.67	3	0.7
70	32.9	3.07	2	0.6	3	0.92	3	0.9
95	37.8	4.18	1	0.8	3	1.25	3	0.13
120	41.2	5.21		0.5	1	0.52	1	0.5
150	45.9	6.40			1		1	0.6
185	50.7	7.96			1		1	0.8
240	57.5	10.33			1		1	0.10

### Cable tray width = 150mm

6	18	0.43	18	0.8	22	0.9	45	0.19
10	20.9	0.65	11	0.7	18	0.12	30	0.20
16	25.1	0.91	9	0.8	12	0.11	26	0.25
35	29.3	1.65	4	0.7	7	0.12	15	
50	32.9	2.23	4	0.9	7	0.16	12	
70	37.8	3.07	3	0.9	5	0.15	12	
95	18	4.18	3	0.13	5	0.21	7	
120	41.2	5.21	2	0.10	3	0.16	7	
150	45.9	6.40			2	0.13	5	
185	50.7	7.96			2	0.16	3	
240	57.5	10.33			2	0.21	2	

# CHOOSING TRAY ACC. TO CABLE DIA.

Nominal cross sectional area 4*....mm <sup>2</sup>	Approx Overall Diameter mm <sup>2</sup>	Approx Weight KG/m	Heights= 50mm		Heights= 75mm		Heights H= 100mm	
			Approx no. of cables mm	Full load Approx Kn/m	Approx no. of cables mm	Full load Approx Kn/m	Approx no. of cables mm	Full load Approx Kn/m

## Cable width tray = 200mm

6	18	0.43	27	0.11	34	0.14	45	0.19
10	20.9	0.65	17	0.11	30	0.20	30	0.20
16	25.1	0.91		0.14	21	0.19	26	0.25
35	29.3	1.65	15	0.10	11	0.18	15	
50	32.9	2.23	6	0.11	9	0.20	12	
70	37.8	3.07	5	0.15	9	0.28	12	
95	18	4.18	5	0.17	7	0.29	7	
120	41.2	5.21	4	0.21	7	0.36	7	
150	45.9	6.40	4		3	0.19	5	
185	50.7	7.96			3	0.24	3	
240	57.5	10.33			2	0.21	2	

## Cable width tray = 250mm

6	18	0.43	36	0.15	46	0.20	63	
10	20.9	0.65	21	0.14	38	0.25	40	
19	25.1	0.91	19	0.17	27	0.25	34	
35	29.3	1.65	8	0.13	15	0.25	21	
50	32.9	2.23	7	0.16	13	0.29	18	
70	37.8	3.07	6	0.18	11	0.34	15	
95	18	4.18	6	0.25	11	0.46	11	
120	41.2	5.21	5	0.26	9	0.47	9	
150	45.9	6.40			4	0.26	7	
185	50.7	7.96			4	0.32	4	
240	57.5	10.33			3	0.31	3	

## Cable width tray = 300mm

6	16	0.43	45	0.19	58	0.25	81	0.34
10	18.5	0.65	27	0.18	50	0.33	60	0.39
16	20.9	0.91	25	0.23	36	0.33	43	0.39
35	25.1	1.65	10	0.17	19	0.31	27	0.45
50	29.3	2.23	9	0.20	17	0.38	24	0.53
70	32.9	3.07	8	0.25	15	0.46	21	0.64
95	37.8	4.18	7	0.29	13	0.54	13	0.54
120	41.2	5.21	6	0.31	11	0.57	11	0.57
150	45.9	6.40			5	0.32	9	0.58
185	50.7	7.96			5	0.40	5	0.40
240	57.5	10.33			4	0.41	4	0.41

# CHOOSING TRAY ACC. TO CABLE DIA.

Nominal cross sectional area 4*.....mm <sup>2</sup>	Approx Overall Diameter mm <sup>2</sup>	Approx Weight KG/m	Heights= 50mm		Heights= 75mm		Heights H= 100mm	
			Approx no.of cables mm	Full load Approx Kn/m	Approx no.of cables mm	Full load Approx Kn/m	Approx no.of cables mm	Full load Approx Kn/m

## Cable width tray = 400mm

6	16	0.43	66	0.28	82	0.35	117	0.50
10	18.5	0.65	39	0.25	74	0.48	85	0.55
16	20.9	0.91	33	0.30	48	0.44	62	0.56
35	25.1	1.65	14	0.23	27	0.45	39	0.64
50	29.3	2.23	12	0.27	23	0.51	33	0.73
70	32.9	3.07	11	0.34	21	0.64	30	0.92
95	37.8	4.18	9	0.36	17	0.71	17	0.71
120	41.2	5.21	8	0.42	15	0.78	15	0.78
150	45.9	6.40			8	0.51	15	0.96
185	50.7	7.96			7	0.56	7	0.56
240	57.5	10.33			6	0.62	6	0.62

## Cable width tray = 500mm

6	16	0.43	84	0.36	110	0.47	159	0.68
10	18.5	0.65	49	0.32	94	0.61	115	0.75
16	20.9	0.91	43	0.39	63	0.57	82	0.75
35	25.1	1.65	18	0.30	35	0.58	51	0.84
50	29.3	2.23	16	0.36	31	0.69	45	1.00
70	32.9	3.07	14	0.43	27	0.83	39	1.20
95	37.8	4.18	12	0.50	23	0.96	23	0.96
120	41.2	5.21	11	0.57	2	1.09	21	1.09
150	45.9	6.40			10	0.64	19	1.22
185	50.7	7.96			9	0.72	9	0.72
240	57.5	10.33			8	0.83	8	0.83

## Cable width tray = 600mm

6	16	0.43	102	0.43	134	0.57	195	0.83
10	18.5	0.65	49	0.32	114	0.74	140	0.91
16	20.9	0.91	43	0.39	78	0.71	102	0.93
35	25.1	1.65	18	0.30	43	0.71	63	1.04
50	29.3	2.23	16	0.36	37	0.82	54	1.20
70	32.9	3.07	14	0.43	33	1.01	48	1.47
95	37.8	4.18	12	0.50	29	1.21	29	1.21
120	41.2	5.21	11	0.57	25	1.30	25	1.30
150	45.9	6.40			12	0.77	23	1.47
185	50.7	7.96			11	0.88	11	0.88
240	57.5	10.33			9	0.93	9	0.93

# 10 DIGITS ORDERING CODE

1 TYPE	2 ACCESSORY	3 SURFACE FINISH	4 EDGE TYPE	5 6 WIDTH (mm)	7 8 HEIGHT (mm)	9 THICKNESS (mm)	10 COVER
Tray = Y			Snap on = S				With = 1
Trunk = K			Press Type = P				W/O = 0
Ladder = L							
Cover = C							
	Non = 0			10 = 100 mm		1 mm = 0	
	Cross = C			20 = 200 mm	10 = 100 mm	1.25 mm = 1	
	Elbow = E			30 = 300 mm	75 = 75 mm	1.5 mm = 2	
	Tee = T			40 = 400 mm	05 = 50 mm	2 mm = 3	
	Reducer = R			50 = 500 mm			
		HDG = H		60 = 600 mm			
		Electro Static Plated = E		70 = 700 mm			
		Cold Rolled = C		80 = 800 mm			
				90 = 900 mm			
				1x=1000 mm			

## Introducing an ordering method for optimal use :

We are always choosing the easiest ways to engage with all of our customers and clients.

So that, now you can order your item/s by matching all of it's specifications and requirements with the 10 digits ordering code.

1 2 3 4 5 6 7 8 9 10

**APPLY NOW**



## CONTACT US

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# Electrical SwitchBoards



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# Introduction

**Softex** is a very fast growing company started its business in 2004 as a software development house under the name of **Softex Software House (SSH)**, we design and develop professional business solutions which are presented to our customers with the most friendly and easy to use interface.

Our products are including ERP Systems under the name of Market Control, CRM Systems, Tourism and reservation Systems under the name of Travel Control, Clinics Managers, Web Design Solutions, Domain reservation Systems. Our software crossed the boards reaching UAE and KSA through two branch offices serving a wide base of customers.

In 2012, we started our business as a leading specialist in low current system integration under the name of **Softex System Integration (SSI)**, we provide CCTV Systems, Access Control Systems, Intrusion Systems, Fire Alarm Systems, Public Address Systems and Information Technology Systems. It is our mission to provide customers with the latest and advanced technological Solutions & services.

In 2015, we started our business as a solution provider for electrical products serving the Electrical transmission and industrial sectors in Egypt under the name of **Softex Electrical Systems (SES)**, we provide latest technology and highest standards in products and services, our profile includes Low Voltage SwitchBoards, Control & Protection Equipments, metering solutions and signaling equipments.

**Softex** is chosen by many of the large scale customers because of high profile technical support, customer service, reputation, problem solving and design to resulting in earning trust of customers and continuous cooperation.

**Our customer list includes:**





# General Features

## Safety

**Softex** quality systems and solutions are developed according to relevant international standards, offering a high degree of personal and operating safety.



## Reliability and Service Continuity

**Softex** products are designed to withstand the toughest environmental conditions and offer an extremely high level of reliability even under the toughest conditions. Our products offer a variety of protection levels (IP40, IP42 up to IP66) for use in a variety of applications and harsh environments such as cement works, wet areas, iron and steel industry, etc..



## Flexible and User Friendly

**Softex** products provide years of safe, reliable operations. The mechanical structure (frame) and the main busbar systems are designed to be maintenance-free and accessible from the front / Back.

Our equipment can be installed virtually anywhere in a facility. The modular design allows for easy installation, operation and maintenance and will accommodate most project specifications and requirements.



# Applications

**Softex** Low Voltage products are used for electrical power distribution and control and are generally installed downstream of transformers or generators that contain the main and distribution circuit breakers. Loads are motors, heating equipment, lighting and air-conditioning units.

## **Buildings, Infrastructure and Industrial:**

Airports, hospitals, factories, shopping malls, hotels, commercial and residential towers.



## **Utility:**

Power generation, transmission, distribution substations, water and waste water treatment plants.



## **Oil and Gas:**

Oil and gas plants, petrochemical plants and refineries.



## **Power Plant:**

Utility panels and DC control panels.



# Main Distribution Boards

## Main Distribution Boards (MDB):

A switchboard is a large single panel, frame, or assembly of panels on which are accessed from front, rear or both

### Rated current

- Busbar type : Pure copper bars, with 99.9% conductivity
- Rated current for main distribution busbar  $I_n$  : Up to 4000 A
- Conditional short circuit current  $I_{cc}$  : Up to 100 kA
- Rated short-time withstand current  $I_{cw}$  : Up to 100 kA
- Rated short-time withstand current  $I_{cw}$  : Up to 65 kA

### Incoming and outgoing

- Incoming feeders : Up to 4000 A
- Distribution feeders : Up to 4000 A

### Degree of protection

- External mechanical impacts strength IK : Up to IK10
- External degree of protection IP : Up to IP55

**Forms of separation :** 1,2a,2b,3a,3b,4a,4b



# Sub Main Distribution Boards

## Sub Main Distribution Boards (MDB):

The Sub Distribution Board is a component of an electricity supply system which divides an electrical power feed into subsidiary circuits while providing a protective fuse or CB for each circuit.

### Overview:

- SMDB is used in a variety of sectors such as utilities and co-generation, pharmaceutical factories, generator manufacturers, critical power plants, data centers and in the oil and gas industry.
- Easy interchangeability of components
- Wall mounted and free standing designs
- Available in 2/14 way (3Pole) to 6/42 way (1 Pole) outgoing MCCB's
- Enclosure Protection Class up to IP66
- Bare Copper / tin plated / silver plated / PVC sleeved copper busbars
- Available in stainless steel enclosures for outdoor applications
- Neutral and earth busbars can be rated up to 50% of the main busbar





# Synchronizing Panel Boards

## Synchronizing Panel Boards:

Synchronizing Panels supply a large amount of power by using multiple generators working in parallel on load sharing.sides. They are generally installed immediately after the power source (transformers or generators).

These panels function both manually and with an automatic synchronizing function for one or more generators or breakers. They are widely used in synchronizing generators and offering multiplex solutions.

Our high quality range of synchronizing panels are available with capacities that reach 5000 A, and are fabricated using high quality electrical components including copper busbar, insulation, wires/cable, PVC channels, transformers, meters and switches.

- Rated insulation voltage : 1000V
- Main busbars rated : up to 5000A
- Protection Class : up to IP55
- Ambient temperature : up to 40 °C
- RAL 7035 color as standard, other colors on request
- Accessible from front / rear
- Cable/bus duct entry from top or bottom, with removable gland plates



# Automatic Transfer Switches

## Automatic Transfer Switches (ATS Panels):

They provide a solution that can handle transfer of critical loads to emergency sources with reliability. They ensure the continuity of electric supply to an installation with minimum interruption by making an automatic changeover from normal supply to emergency supply.

Automatic transfer switches are used to automatically change over from the main electrical supply to stand-by generators or generate on failure of the main supply.

When the main supply is restored, the system automatically changes back and stops the generator.

The stand-by generator will eventually be shut down after a short cooling down period.

- Rated insulation voltage : 1000V
- Busbar short-circuit withstand capacity : up to 100KA for 1 sec
- Main busbars rated : up to 6300A
- Neutral and earth busbars rated : up to 50% of the main busbar



# Power Factor Correction Panels

## Power Factor Correction Panels:

Power factor correction panel is used to bring the power factor of an AC power circuit closer to 1 by supplying reactive power of the opposite sign, adding capacitors that cancel the inductive effects of the load, which reduces transmission losses and improves voltage regulation at the load.

Correction may be applied by a utility to improve the stability and efficiency of the transmission network. Individual electrical customers who are charged by their utility for low power factor may install correction equipment to reduce those costs.

- Reactive power  $Q_n$  : up to 600 KVAR
- Rated voltage  $U_e$  : 440 V
- Rated insulation voltage  $U_i$  : up to 800 V
- Capacitance tolerance : \*-5%, +10%
- PFC type : Fixed or Automatic



## New IEC Std 61439

**Softex** IEC 61439 series of standards uses the same structure as other series within IEC (e.g. IEC 947).

Part 1: General Rules, details requirements that are common to two or more generic types of assembly.

Part 2: Each generic type of assembly has a product specific part within the series of standards.

New standard IEC 61439 recognizes that:

- Assemblies are multifaceted.
- Components can be connected in infinite combinations.
- Interactions between the various elements of an assembly, thermal, magnetic, etc., all affect the performance of individual circuits and the assembly as a whole.

Fundamental changes:

- IEC 61439 introduced radical changes.
- The categories of TTA and PT TA have been discarded in favor of a design 'verified assembly'.
- 60439: TTA (Type Tested) or PT TA (Partially Type Tested) Assemblies.
- 61439: Design verification and routine verification for every assembly.

Clearly defined responsibilities:

- The manufacturer is responsible for internal configuration of the assembly and its performance.
- Customers/ Specifiers are responsible for specifying the inputs and outputs of the assembly and to define the interfaces between the assembly and the outside world.



OLD 1992SERIES

## IEC 60439

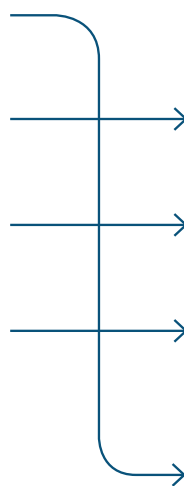
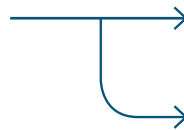
IEC 60439-1  
Standard assemblies and assemblies  
derived from the standard

IEC 60439-2  
Busbar trunking systems

IEC 60439-3  
Distribution boards

IEC 60439-4  
Assemblies for construction sites

IEC 60439-5  
Assemblies for power  
distribution



## IEC 61439

IEC 61439-1  
General rules

IEC 61439-2  
Power switchgear and  
controlgear assemblies

IEC 61439-3  
Distribution boards

IEC 61439-4  
Assemblies for construction sites

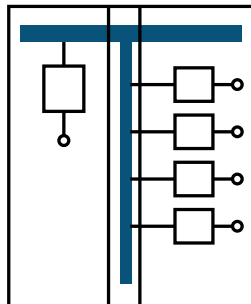
IEC 61439-5  
Assemblies for power distribution

IEC 61439-6  
Busbar trunking systems

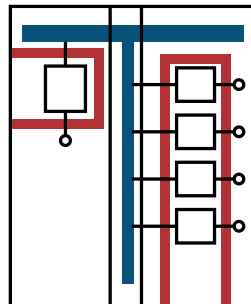
IEC 61439-7  
Electric vehicles

NEW 2012SERIES

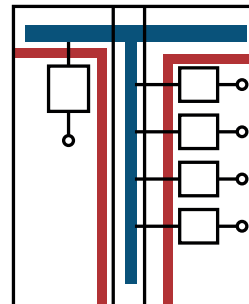
# Separation Forms



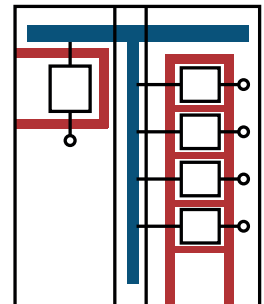
Form 1



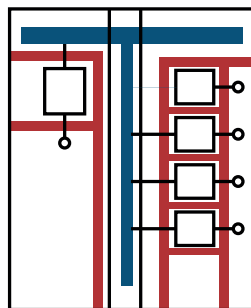
Form 2a



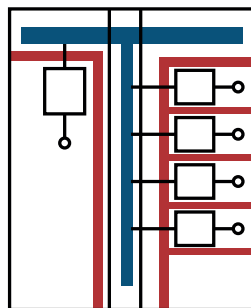
Form 2b



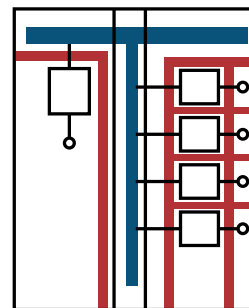
Form 3a



Form 3b



Form 4a




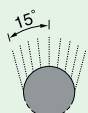
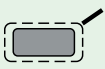
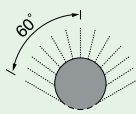
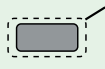



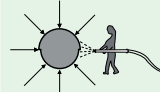


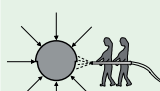
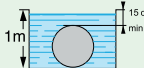



Form 4b

Busbar  
Separation

Form	IEC Standard Definition	Specific Recommendations
1	No Internal separation	Protection over busbar for customer safety
2a	Separation of busbars from the functional units	Terminals not separated from busbars
2b	Separation of busbars from the functional units	Terminals separated from busbars
3a	Separation of busbars from the functional units and of all functional units from each other	Terminals not separated from busbars
3b	Separation of busbars from the functional units and of all functional units from each other	Terminals separated from busbars
4a	Separation of busbars from the functional units and of all functional units from each other, also separation of terminals from any functional unit	Terminals in the same compartment as associated functional units
4b	Separation of busbars from the functional units and of all functional units from each other, also separation of terminals from any functional unit	Terminals are not in the same compartment as the associated functional units

# Ingress Protection (IP)

Protection Against Solid Bodies Data Table				Protection Against Liquids Data Table			Level	Protected Against Access To Hazardous Parts With
Protection of Equipment			Protection of Persons					
0	Tests	Non-protected	Non-protected	0	Tests	Non-protected		
1	<div>ø 50mm</div> 	Protected against the penetration of solid objects having a diameter greater than or equal to 50 mm	Protected against direct contact with the back of the hand (accidental contacts).	1		Protected against vertical dripping water, (condensation).	A	With the back of the hand.
2	<div>ø 12.5mm</div> 	Protected against the penetration of solid objects having a diameter greater than or equal to 12.5 mm.	Protected against direct finger contact.	2		Protected against dripping water at an angle of up to 15°.	B	With the finger.
3	<div>ø 2.5mm</div> 	Protected against the penetration of solid objects having a diameter greater than or equal to 2.5 mm.	Protected against direct contact with a Ø 2.5 mm tool.	3		Protected against rain at an angle of up to 60°.	C	With a ø 2.5 mm tool.
4	<div>ø 1mm</div> 	Protected against the penetration of solid objects having a diameter greater than or equal to 1 mm.	Protected against direct contact with a Ø 1 mm wire.	4		Protected against splashing water in all directions.	D	With a ø 1 mm tool.
5	 	Dust protected (no harmful deposits).	Protected against direct contact with a Ø 1 mm wire.	5		Protected against water jets in all directions.		
6	 	Dust tight.	Protected against direct contact with a Ø 1 mm wire.	6		Protected against powerful jets of water and waves.		
				7		Protected against the effects of temporary immersion.		
				8		Protected against the effects of prolonged immersion under specified conditions.		

# Reference List

Contractor	Owner	Project Name	Description
El-Ansary For Trading & Contracting	Banha university	Second Batch of LV Panels of Faculty of Education	Electrical Panels
Envision For Contracting	Smiley's Grill	Smiley's Grill @ Safier	Electrical Panels
HiTech Egypt S.A.E (Oil & Gas Services)	HiTech Egypt	MCC Panels For Free Zone	Electrical Panels
Trust Company - Power & Automation Services	Factory @ Nigeria	MDB for Factory @ Nigeria	Electrical Panels
Trust Company - Power & Automation Services	Al Yousuf Tower	Main & Sub-Main Panels	Electrical Panels
El-Shafeey For Contracting	Sales Tax Authority	Electrical Panels of the headquarters of the Sales Tax Authority in Sadat City - Phase I	Electrical Panels
El-Ansary For Trading & Contracting	Banha university	Supply of the building panels of student services and engineering administration of the University	Electrical Panels
El-Shafeey For Contracting	Sales Tax Authority	Electrical plates of the headquarters of the Sales Tax Authority in Sadat City - Phase II	Electrical Panels
El-Ansary For Trading & Contracting	Egypt Electricity Holding Company	LV Panels For Talkha power station	Electrical Panels
El-Shafeey For Contracting	Ministry of Culture	Improving the Palace of Culture - Shebin El Koum - Phase I	Electrical Panels
Al-Hamd For Contracting	Faculty of Home Economics in Boulaq	The process of renovation and upgrading of the Faculty of Home Economics in Boulaq	Electrical Panels
Hideco Contracting Company	Armed Forces	Hikstab Buildings Project	LV Cables
Hideco Contracting Company	Armed Forces	Hikstab Buildings Project	Electrical Supplies
Location For Design & Contraction	----	Electrical Panels	Electrical Panels
Al-Hamd For Contracting	Faculty of Engineering in Helwan	LV Panels	Electrical Panels
Shifa Specialized Hospital	Shifa Specialized Hospital	UPS	UPS
El-Shafeey For Contracting	Ministry of Culture	Improving the Palace of Culture - Shebin El Koum	Transformers
El-Shafeey For Contracting	Ministry of Culture	Improving the Palace of Culture - Shebin El Koum	Bus-Duct
El-Ansary For Trading & Contracting	Banha university	Student Services Building at Al-Obour - Banha University	Electrical Panels
Al - Sahabi Electrical Contracting	Ain-Shams University	Developing Students Affairs Hall, Faculty of Engineering	Electrical Panels
Good Shepherd	Arabiata	Arabiata Training Center	Electrical Panels
Location For Design & Contraction	----	Electrical Panels	Electrical Panels
El-Ansary For Trading & Contracting	Tanta University	A building in the university city	Electrical Panels
El-Ansary For Trading & Contracting	Tanta University	El-Nozair Building, Faculty of Pharmacy	Electrical Panels
El-Ansary For Trading & Contracting	Alahli football club	MCC's & HVAC Panels	Electrical Panels
Trust Company - Power & Automation Services	Mazloum Group	MDB's	Electrical Panels
El-Ansary For Trading & Contracting	Aswan General Hospital	Electrical Panels	Electrical Panels
El-Ansary For Trading & Contracting	Tanta University	Complex Panels of the colleges in Serbai	Electrical Panels
Good Shepherd	Arabiata	Arabiata Restaurant - Sheraton	Electrical Panels
Al Adnan Contracting Group	Ministry of Interio	Future Towers Panels	Electrical Panels
Aqua Company	Aqua Company	Main & Sub-Main Panels - water filter plant - 6th of October	Electrical Panels
3AM For Trading & Contracting	Armed Forces	Al Ahram Company - Obour Market	Electrical Panels
New Era For Design & Construction	Church of St. George	Supply of electrical equipment for Mary Girgis Church Project	Electrical Panels Fire System Alarm System Sound System
Location For Design & Contraction	BIM	Electrical Panels	Electrical Panels
Location For Design & Contraction	Cook Door	Cook Door	Electrical Panels
New Era For Design & Construction	----	MCC Panels	Electrical Panels
SIEMENS	Al - Borolos Power Station	Lube Oil Flushing Panels	Electrical Panels
Trust Company - Power & Automation Services	----	MDB's	Electrical Panels
Taiba For Electrical Construction	EZDK (e-PS)	Site Service Panels	Electrical Panels
Taiba For Electrical Construction	Air Liquide Alexandria for Medical & Industrial Gases (Alx.)	MCC Panels	Electrical Panels



# Reference List

Taiba For Electrical Construction	EZDK (e-PS)	P.B Pendant Station Panel	Electrical Panels
Taiba For Electrical Construction	EZDK (e-PS)	Outlet Socket Boxes	Electrical Panels
Aqua Company	Aqua Company	Main Factory 4000A ATS Panel	Electrical Panels
Trust Company - Power & Automation Services	----	El-Masyaf MDB's	Electrical Panels
Trust Company - Power & Automation Services	----	El-Masyaf SDB's	Electrical Panels
El Sahaba For Engineering & Constructions Co.	----	MCC panels	Electrical Panels
United Import & Export	United Import & Export	LV Panels - Tachan Factory For Household Manufacturing	Electrical Panels
REDCON Construction Co. S.A.E	ABC Bank	ABC Bank - New Headquarter - New Cairo	Electrical Panels
Trust Company - Power & Automation Services	EZDK	Power Factor Correction Panel	Electrical Panels
Taiba For Electrical Construction	EZDK (e-PS)	C.Pendant Station Panels – Second Order	Electrical Panels
EG-ART	Mall of Arabia	Gerry Weber @ Mall of Arabia LV Panels	Electrical Panels
Taiba For Electrical Construction	Jushi	Jushi PR-1068-2016	Electrical Panels
Giza Systems	----	Stainless Steel Panel	Electrical Panels
EG-ART	----	CR7 @ City Stars	Electrical Panels
Amlaak Group For General Contracting	----		Electrical Panels
Memaar Al-Morshedy	----	MCC Panels	Electrical Panels
Amlaak Group For General Contracting	----		Electrical Panels
El-Yamany For Contracting Company	----		Electrical Panels
	----	MCC Panels	Electrical Panels
	----	LV Panels	Electrical Panels
3AM For Trading & Contracting	National Service Projects Authority	Marble Factory @ Ain Elsokhna MDB's	Electrical Panels
3AM For Trading & Contracting	National Service Projects Authority	Marble Factory @ Ain Elsokhna Lighting Panels	Electrical Panels
3AM For Trading & Contracting	National Service Projects Authority	Marble Factory @ Ain Elsokhna - Bus-Duct	Bus-Duct (Delivery & Installation)
MMK Pack For Industrial & Trading	MMK Pack	MMK Pack - LV Panels	Electrical Panels
Arch Nile For Contracting & Trading	CIB	CIB Panels	Electrical Panels
		LV Panels	Electrical Panels
Giza Systems	----	Loose Components	Electrical Supplies
ASEC Automation	----	Stainless Steel Panels	Electrical Panels
	----		Electrical Panels
Taiba For Electrical Construction	SIDPEC	Junction Boxes	Electrical Supplies
Trust Company - Power & Automation Services	----	Loose Components	Electrical Supplies
Taiba For Electrical Construction	SIDPEC	Loose Components	Electrical Supplies
	----	Loose Components	Electrical Supplies
Future Controls	RAMW Compound	RAMW Compound New Cairo (Irrigation Tank)	Electrical Panels
Orascom Construction Industries	Upper Egypt Electricity Production Company	Assuit Combined Cycle Project MCC Panels	Electrical Panels
Rashdan	MOE	Shatex F016 @ MOE	Electrical Panels
MECA CONS - Supplies & Contracting	EZDK	Slewing Electrical Control Panel	Electrical Panels
Trust Company - Power & Automation Services	----	Loose Components	Electrical Supplies
AFAM Solar Solutions	----	Solar Power Plant	Electrical Supplies
Egyptian Engineers Company EGYENCO	Ministry of Youth and Sports		Electrical Panels
China State Construction ENGRG. CORP. LTD (Egypt)	----	Service LV Panels	Electrical Panels
China State Construction ENGRG. CORP. LTD (Egypt)	----	Service LV Panels #2	Electrical Panels
China State Construction ENGRG. CORP. LTD (Egypt)	----	Main Boards for Temporary Work C11&C12	Electrical Panels
Kharafi National – Egypt	EETC	Sohag East - 500-220-66-22kV GIS SS Service Panels	Electrical Panels

# Our Projects



# Our Partners



[www.softexsw.com](http://www.softexsw.com)

## 3-Reference



#	Customer Name	End user	Year Of Supply	Scope of supply	Project Name
158	China Engineering Group	AKWA POWER KSA	24	Low Voltage Distribution Panels	Egypt Comombow Solar Power Station
157	Orascom Construction	Ministry of Trade & Industry	24	Manufacturing of cable tray & Cable Ladders Fittings	Damietta Spinning & Weaving Factory
156	Orascom Construction	Ministry of Trade & Industry	24	Manufacturing of cable tray & Cable Ladders & Accessories	Mahalla Spinning & Weaving Factory
155	Orascom Construction	Ministry of Trade & Industry	24	Manufacturing of cable tray & Cable Ladders & Accessories	Damietta Spinning & Weaving Factory
154	Innovate	Ministry Of Transportation	24	Manufacturing of cable tray & Cable Ladders & Accessories	Adly Mansour Metro Station Phase II
153	Elsewedy T&D	EWA Bahrain	24	Solar Connectors	Zimplats Selous Solar PV Plant – Phase 1A
152	China Engineering Group	AKWA POWER KSA	24	Manufacturing of cable tray & Cable Ladders & Accessories	Egypt Comombow Solar Power Station
151	Innovate	Ministry Of Transportation	24	Manufacturing of cable tray & Cable Ladders & Accessories	Adly Mansour Metro Station
150	Afro Egypt	Ministry Of Defence	23	Manufacturing of cable tray & Cable Ladders & Accessories	MOD P1 Data center
149	Elsewedy T&D	South Valley Agricultural development	23	Manufacturing of cable tray & Cable Ladders & Accessories	Infrastructure Zone O8 S.Valley development
148	ZTPC	Aqwa power comombow for energy	23	Manufacturing of cable tray & Cable Ladders & Accessories	Comombow solar plant control room
147	ZTPC	Aqwa power comombow for energy	23	Manufacturing of cable tray & Cable Ladders & Accessories	Comombow solar plant outdoor Yard
146	Elsewedy T&D	EETC	23	Manufacturing of cable tray & Cable Ladders & Accessories	Port of Alexandria 66/11 SS
145	Kunooz Contracting	Ministry Of Defence	23	Manufacturing of cable tray & Cable Ladders & Accessories	الكلبات و المعاهد العسكرية
144	Afro Egypt	Ministry Of Defence	23	Manufacturing of cable tray & Cable Ladders & Accessories	MOD P1 Data center
143	Giza Systems	Egyptian telecommunication Co	23	Manufacturing of electrostatic ladders	TE Cisco (IP CORE + GI-LAN +ISE)
142	Asea Contracting	Mostakbal City	23	Manufacturing of cable tray & Cable Ladders & Accessories	Mostakbal City distribution network
141	ZTPC	Aqwa power comombow for energy	23	Manufacturing of cable tray & Cable Ladders & Accessories	Comombow solar plant
140	Innovate	Ministry Of Transportation	23	Manufacturing of cable tray & Cable Ladders & Accessories	Adly Mansour Metro Station
139	High Leader	Ministry Of Defence	23	Manufacturing of cable tray & Cable Ladders & Accessories	الكلبات و المعاهد العسكرية
138	5M	Ministry of Defence	23	Manufacturing of cable tray & Cable Ladders & Accessories	الكلبات و المعاهد العسكرية



137	Digital Contracting	Ministry of Defence	23	Manufacturing of cable tray & Cable Ladders & Accessories	الكيان العسكري
136	5M	Ministry of Defence	23	Manufacturing of cable tray & Cable Ladders & Accessories	الكلية و المعاهد العسكرية
135	Orascom Construction	Elmahala Dying & Weaving Factory	23	Manufacturing of cable tray & Cable Ladders & Accessories	Elmahala Dying & Weaving Factory
134	Concord Construction	Ministry Of Transportation	22	Manufacturing of cable tray & Cable Ladders & Accessories	Adly Mansour Metro Station
133	El batal group	El batal group	22	Supplying Electrical Cables	Rock Eden October
132	المعادي للتنمية	المعادي للتنمية	22	Supplying Electrical Cables	المعادي فيو الشروق
131	Elsewedy T&D	Ministry Of Transportation	22	Manufacturing of LV SWGR	Sharm Elsheikh Db's
130	ZTPC	EETC	22	Cable Cleats	Nahda additional cable cleats
129	Hassan Allam Construction		22	Manufacturing of cable tray & Cable Ladders & Accessories	Sharm Elsheikh hydrogen Station
128	space for projects	Adidas	22	Manufacturing of cable tray & Cable Ladders & Accessories	مجمع مصانع الروبيكي
127	space for projects	Adidas	22	Manufacturing of cable tray & Cable Ladders & Accessories	مجمع مصانع الروبيكي
126	space for projects	Adidas	22	Manufacturing of cable tray & Cable Ladders & Accessories	مجمع مصانع الروبيكي
125	Elsewedy T&D	EETC	22	Manufacturing of cable tray & Cable Ladders & Accessories	Jalca Elbows
124	Madkour	وزارة الصحة	22	Manufacturing of cable tray & Cable Ladders & Accessories	Hayah karemah - Ashmoon - MEP - Drasat medical units
123	Siac	وزارة الخارجية العاصمة الادارية	22	Supplying Electrical Cables	مشروع مبني وزارة الخارجيه بالعاصمة
122	space for projects	Adidas	22	Manufacturing of cable tray & Cable Ladders & Accessories	مجمع مصانع الروبيكي
121	Ridgewood for water desalination	Hassan Allam Construction	22	Manufacturing of cable tray & Cable Ladders & Accessories	swan lake
120	Madkour	EETC	22	Loose	Masaeed SS
119	Madkour	EETC	22	Loose	Sheikh Zowyed SS
118	IEC	MEDCO Factory	22	Manufacturing of cable tray & Cable Ladders & Accessories	Medco Factory
117	المعادي للتنمية	المعادي للتنمية	22	Supplying Electrical Cables	المعادي فيو الشروق
116	Elsewedy T&D	EETC	22	Manufacturing of cable tray & Cable Ladders & Accessories	S1 Ext MONORAIL
115	Elsewedy T&D	EETC	22	Manufacturing of cable tray & Cable Ladders & Accessories	Monorail Zayed
114	Elsewedy T&D	Ministry of Transportation	22	Manufacturing of cable tray & Cable Ladders & Accessories	BRT Sharm Elsheikh Bus Station
113	Elsewedy Automation	Ministry Of Transportation	22	Modification for telecommunication Panels of ENR Level Crossing	ENR Level Crossing

112	Elsewedy T&D	EETC	22	Manufacturing of cable tray & Cable Ladders & Accessories	S1 SS Ext
111	Elsewedy T&D	Ministry Of Transportation	22	LOOSE	6th of October Dry Port
110	Smart Solar	Vodafone	21	Manufacturing of cable tray & Accessories	Cellular Networks
109	Elsewedy T&D	EETC	21	Manufacturing of cable tray & Cable Ladders & Accessories	West port Said 220/66/11KV
108	Mansa for Construction	Ministry Of Housing	21	Manufacturing of cable tray & Accessories	R1
107	Alex Engineering Works	EETC	21	Manufacturing of cable tray & Cable Ladders & Accessories	Mansouria 66/11KV SS
106	Alradwa Contracting	Veolia Water Technologies	21	Manufacturing of cable tray & Accessories	Veolia Warehouses
105	Elsewedy T&D	Ministry Of Defence	21	Manufacturing of cable tray & Cable Ladders & Accessories	Kayan 110 South
104	Elsewedy T&D	MILLENNIUM DEVELOPMENT AUTHORITY (MiDA)	21	Street lighting Termianl Boxes	Street lighting replacement contractor (S) Lot SW (1) Project
103	Elsewedy T&D	Egyptian Military Works	21	Manufacturing of cable tray & Cable Ladders & Accessories	Port Said East Industrial Zone
102	Veolia Water Technologies	Holding Company for Water and Sewage	21	Manufacturing of cable tray & Cable Ladders & Accessories	Shabraweish
101	Veolia Water Technologies	Holding Company for Water and Sewage	21	Manufacturing of cable tray & Cable Ladders & Accessories	Nawasah SS
100	Allied	Ministry Of Housing	21	Manufacturing of cable tray & Accessories	R1
99	Veolia Water Technologies	Holding Company for Water and Sewage	21	Manufacturing of cable tray & Cable Ladders & Accessories	Meet Alameil
98	Elsewedy T&D	Ministry Of Defence	21	Manufacturing of cable tray & Accessories	Intelligent Traffic System
97	Elsewedy T&D	Ministry Of Defence	21	Manufacturing of Solar System distribution panels	Intelligent Traffic System
96	IEG	Alazhar General Council	21	Manufacturing of cable tray & Accessories	معهد فتيات الاقصر الازهري
95	Aldawlia Contractig	Regency Park	21	Manufacturing of LV SWGR	Regency Park
94	Elsewedy T&D	Ministry Of Defence	21	Manufacturing of cable tray & Accessories	Kayan 110 South
93	Nile Company For Construction	Ministry Of Defence	21	Manufacturing of Cable Trays Covers	Kayan 110 South
92	Elsewedy T&D	EETC	21	Manufacturing of cable tray & Cable Ladders & Accessories	Toshka 4 220/66/22KV GIS Substation
91	Elsewedy T&D	Ministry Of Defence	21	Manufacturing of cable tray & Cable Ladders & Accessories	Infrastructure works Zone (J) South Valley development project, Toshka
90	Madkour EPC	EETC	21	Manufacturing of SA Consoles	Sarai SS
89	Madkour EPC	EETC	21	Manufacturing of SA Consoles	Mohamed Naguib SS
88	Elsewedy T&D	EETC	21	Manufacturing of cable tray & Cable Ladders & Accessories	Extension Of Kayan 110SS
87	Elsewedy T&D	EETC	21	Manufacturing of cable tray & Cable Ladders & Accessories	Allahoun SS
86	Abo Samra Contracting	Ministry of Education	21	Manufacturing of cable tray & Cable Trunks & Accessories	Port Fouad School
85	Elsewedy T&D	New Urban Communities Authority	21	Manufacturing of cable tray & Cable Trunks & Accessories	Almostakbal City
84	SIAC	Faisal Bank, New Capital	21	Manufacturing Of C Channels	Faisal Bank, New Capital
83	Mould Maker	Mould Maker	21	Manufacturing of Cable Trays	Mould Maker Factory

82	Gridserv	EETC	21	Manufacturing of I Supports	Nahda SS
81	Nile Company For Construction	Egyptian Military Works	21	Manufacturing of cable tray & Cable Trunks & Accessories	Kayan 110 South
80	Elsewedy T&D	New Urban Communities Authority	21	Power & Control Equipment for lighting poles	Almostakbal City
79	Abo Samra Contracting	Minsitry Of Health	20	Manufacturing of cable tray & Cable Trunks & Accessories	Alkantara Hospital
78	Abo Samra Contracting	Albatros Group	20	Manufacturing of cable tray & Cable Trunks & Accessories	Albatros Mall
77	IEC	Canal Sugar Factory	20	Manufacturing of cable tray & Cable Trunks & Accessories	Canal Sugar Factory
76	Sheikh Saleh Kamel	SODIC	20	Manufacturing of cable tray & Cable Trunks & Accessories	Sheikh Saleh Kamel Palace
75	Forward Contracting	Ministry Of Awkaf	20	Manufacturing of cable tray & Cable Ladders	Alshohdaa Mosque 3
74	GRIDSERV	EETC	20	Manufacturing of cable tray & Cable Ladders	Kafr Elsheikh 220/66KV
73	Veolia Water Technologies	Holding Company for Water and Sewage	20	Manufacturing of cable tray & Cable Ladders	Elhager Water SS
72	Elsewedy T&D	EETD	19	Manufacturing of cable tray, Ladders & Supports	Canal Sugar SS
71	Enblom	EETC	19	Manufacturing of Marshalling Panels	East Damietta 66/22KV
70	Enblom	EETC	19	Manufacturing of Main AC/DC panels	East Damietta 66/22KV
69	Elsewedy T&D	EETC	19	Supply of control Components	Canal Regional Control Centre
68	Elsewedy T&D	EETC	19	Manufacturing of AC/DC Panels	Canal Regional Control Centre
67	Madkour EPC	EETC	19	Manufacturing of Control Consoles desk	S2, S3 Transmission Substations, New Capital
66	Elsewedy T&D	EETC	19	Outdoor Lighting Panels	Cairo Capital S1 500/220/66/22KV GIS Project
65	United Engineers For Contracting	Western Petriolium Company	19	Outdoor Stainless Steel Lighting Panel	Rehabilitation of Alhamraa Port
64	Elsewedy T&D	EETC	19	Manufacturing of Cable Trays / Ladders and Accessories	Development of National Control Center
63	Elsewedy T&D	EETC	19	Manufacturing of 380/220VAC Lighting Panels	Cairo Capital S1 500/220/66/22KV GIS Project
62	Nile Company For Construction	Egyptian Military Works	19	Manufacturing of Cable Trays / Ladders and Accessories	HVAC Station 4&5, Kayan
61	Veolia Water Technologies	Holding Company for Water and Sewage	19	Manufacturing of Cable Trays / Ladders and Accessories	Gezeret Aldahab Pumping Station
60	Veolia Water Technologies	Holding Company for Water and Sewage	19	Manufacturing of Cable Trays / Ladders and Accessories	Ballana Pumping Station, Aswan
59	Veolia Water Technologies	Cairo Water Co.	19	380VAC Main Station Pumps Control Panel	Al Ekhaa Water Pumping Station
58	Elsewedy T&D	EETC	18	Manufacturing of Cable Trays / Ladders and Accessories	Cairo Capital S1 500/220/66/22KV GIS Project
57	Elsewedy T&D	EETC	18	Manufacturing of Transformers dist. Panel	Cairo Capital S1 500/220/66/22KV GIS Project
56	Alkharafi National	EMAAR	18	Manufacturing of Cable Trays / Ladders and Accessories	Control Room Roof Zahraa Almokattam SS
55	Nile Company For Construction	Egyptian Military Works	18	Manufacturing of Cable Trunks / Ladders and Accessories	AC Station 4&5 Kayan 110 Project

54	Nile Company For Construction	Egyptian Military Works	18	Manufacturing of Cable Trays / Ladders and Accessories	Kayan 110 South
53	Alkharafi National	EMAAR	18	Manufacturing Of HDG Cable Trays and Accessories	Zahraa Almokattam 220/22KV GIS SS
52	Madkour EPC	EETC	18	Manufacturing of Substation Automation Console Desk	Algalala SS
51	Elsewedy T&D	Administrative Capital For Urban Development	18	Manufacturing of AC/DC main distribution panels	Cairo Capital S1 500/220/66/22KV GIS Project
50	Nile Company For Construction	Egyptian Military Works	18	Manufacturing of Cable Trays / Ladders and Accessories	Kayan 110 South
49	Alkharafi National	EMAAR	18	Manufacturing Of HDG Cable Trays and Accessories	Zahraa Almokattam 220/22KV GIS SS
48	Elsewedy T&D	Administrative Capital For Urban Development	18	Manufacturing of Cable Trays / Ladders and Accessories	Cairo Capital S1 500/220/66/22KV GIS Project
47	MAS For Contracting	MAS For Contracting	18	Manufacturing of Cable Trays / Ladders and Accessories	Badr Manufacturing Complex
46	United Brothers Company	Ministry OF Communication	18	Manufacturing Of HDG Cable Trays and Accessories	Smart Village
45	Madkour EPC	EETC	18	Manufacturing of SA Consoles	Egypt Future SS
44	Giza Systems	EETC	18	Manufacturing of Cable Trays / Ladders and Accessories	Shabab SS
43	Elsewedy T&D	Egyptian Military Works	18	Manufacturing of Ladders and Accessories	110 South SS
42	Elsewedy T&D	NSPO	18	Manufacturing of Cable Trays / Ladders and Accessories	New Heliopolis SS
41	Elsewedy T&D	Egyptian Military Works	18	Manufacturing of Cable Trays / Ladders and Accessories	110 South SS
40	Mega For Construction	EETC	17	Manufacturing Of HDG Cable Trays and Accessories	KFW
39	GE	EETC	17	Manufacturing of HDG Cable ladders & Accessories	MIBT SS
38	GE	EETC	17	Manufacturing Of HDG Cable Trays and Accessories	South Helwan Generation Station
37	GE	GE	17	Manufacturing of Panel Supports	Cairo West SS
36	GE	EETC	17	Manufacturing of I Beams	MIBT SS
35	Electro Technique	Electro Technique	17	Manufacturing of HDG Panel supports and Blanks	Beni Suef SS
34	Electro Technique	Electro Technique	17	Manufacturing of Panels Internal HDG Mounting Plates	Robeky SS
33	GE	GE	17	Manufacturing of Steel Supports	MIBT SS
32	Electro Technique	Electro Technique	17	Manufacturing of HDG Panel supports and Blanks	Robeky SS
31	GE	GE	17	Manufacturing of Steel Supports	MIBT SS
30	Taiba For Electrical Contracting	Jushi Phase I	17	Manufacturing of HDG Cable Trays / Ladders & Accessories	Jushi Fiber Glass Factory
29	Taiba For Electrical Contracting	Jushi Phase I	17	Manufacturing of HDG Cable Trays / Ladders & Accessories	Jushi Fiber Glass Factory
28	Taiba For Electrical Contracting	Jushi Phase I	17	Manufacturing of HDG Cable Trays / Ladders & Accessories	Jushi Fiber Glass Factory
27	Taiba For Electrical Contracting	Jushi Phase I	17	Manufacturing of HDG Cable Trays / Ladders & Accessories	Jushi Fiber Glass Factory
26	Taiba For Electrical Contracting	Jushi Phase II	17	Manufacturing of HDG Cable Trays / Ladders & Accessories	Jushi Fiber Glass Factory



25	Taiba For Electrical Contracting	Seed	17	Manufacturing of HDG Cable Trays & Accessories	Seed
24	GE	EETC	17	Manufacturing of HDG Cable Trays & Accessories	South Helwan Generation Station
23	GE	EETC	17	Manufacturing of Aluminium Cable Trays & Accessories	Cairo West SS
22	GE	GE	17	Manufacturing of Panel Supports	MIBT SS
21	Electro Technique	EGEMAC	17	Manufacturing of HDG internal mounting plates	Qena & Karam Eldeeb Event Recorder Panels
20	Mega For Construction	EETC	17	Manufacturing of HDG Cable ladders & Accessories	Borg Elarab SS
19	Electro Technique	Electro Technique	17	Manufacturing of Control Panles Internal HDG Assembly Plates	MIBT SS
18	Emas	New Ismailia City	17	Manufacturing and Assembly of 1000pcs Fuse Panels	New Ismailia City Pillar Panels
17	October For Contracting	October For Contracting	17	Manufacturing and installation of Steel tructure	Grand Plaza Mall
16	Mega For Construction	EETC	17	Manufacturing of Steel Supports	6th Of October SS
15	GE	GE	16	Manufacturing of Steel Supports	MIBT SS
14	Electro Technique	October For Contracting	16	Manufacturing of 45 IP55 Enclosures	Creek Park Compound
13	Alstom	EETC	16	Manufacturing of HDG Cable Trays & Accessories	Gabal Alzeit Wind Farm Station
12	Alstom	EETC	16	Manufacturing of HDG Cable ladders & Accessories	South Helwan Generation Station
11	Alstom	EETC	16	Manufacturing of HDG Cable Trays & Accessories	Samalut SS
10	Alstom	EETC	16	Design & Supply of 6 Caravan	Damietta SS
9	Taiba For Electrical Contracting	Air Liquid	16	Manufacturing of HDG Cable Trays / Ladders & Accessories	Air Liquid Sokhna Plant
8	ABB	ABB Arab	16	Manufacturing of 50 Package SS Enclosure	1MVA Package SS Enclosure
7	Electro Technique	Conisys	16	Manufacturing of HDG Panels Internal Cable trays	Morocco Control & Protection Panels
6	Electro Technique	Elsowedy T&D	16	Manufacturing of 32pcs Rain Caps for out door modular Enclosures	Berket Ghelion SS
5	Alstom	EETC	15	HDG Cable Trays & Accessories	Samalut SS
4	Alstom	EETC	15	HDG Cable Trays & Accessories	Damietta Generation Station
3	Electro Technique	Elmaco Transformer Factory	15	Manufacturing of 55pcs IP55 Transformer Control Cabinets	Elmaco Transfomrer Control Panels
2	Electro Technique	Badr City	15	Manufacturing of 64pcs cofree Enclosure	Badr City Distribution Network
1	Electro Technique	الهيئة الهندسية للقوات المسلحة	15	Manufacturing of 550pcs Feeder Pillar Enclosure	Elomsostakbal City

2	Electro Technique	Badr City	15	Manufacturing of 64pcs corree Enclosure	Badr City Distribution Network
1	Electro Technique	الهيئة الهندسية للقوات المسلحة	15	Manufacturing of 550pcs Feeder Pillar Enclosure	Elomsostakbal City




## 4-Approval Documents



	<b>Damietta Spinning &amp; Weaving Factories</b>
<b>Material Inspection Request (MIR)</b>	<b>Ref.:OC-P4DM-MIR-E-0029</b>

<b>Delivery Date</b>	09-05-2024	<b>Inspection Date</b>	13-05-2024
----------------------	------------	------------------------	------------

<b>Category</b>	Civil <input type="checkbox"/>	Arch <input type="checkbox"/>	Mech <input type="checkbox"/>	Elect <input checked="" type="checkbox"/>	Other <input type="checkbox"/>
<b>Manufacturer</b>	Softex		<b>Vendor /Supplier</b>	Softex	

No.	Material Description	Material Grade / Standard	Specification Ref.	MAR / Submittal Ref.	Qty
1	HDG Cable Tray 20*10 Cm			OC-MA-00GEN-00-6022-02	1218 LM
2	HDG Cable Tray 30*10 Cm				567 LM
3	HDG Cable Trunk 10*10 Cm				900 LM
4	HDG Perforated C Channel 4* 2 cm				132 LM
<b>Materials Condition</b>		New <input checked="" type="checkbox"/>	Used <input type="checkbox"/>	Damaged <input type="checkbox"/>	Un-damaged <input type="checkbox"/>

Certification / Records					
1 Mill Test Certificates	Yes/No	2 Delivery Notes	Yes/No	3 Packing Lists	Yes/No
4 Test Reports / Certificates	Yes/No	5 Certificates Conformity/Compliance	Yes/No	6 Technical / Safety Datasheets	Yes/No
7 Manufacturer Instructions	Yes/No	8 Certificate of Origin	Yes/No	9 Bill of Lading	Yes/No
10 Other -					Yes/No

The Contractor certifies all Materials submitted have been inspected and complies with the relevant Contract Documents.			
<b>Storage Instructions</b>		<b>Satisfactory Storage Prepared</b>	Yes/No

<b>Approved (A)</b> <input type="checkbox"/>	<b>Approved with Comments (B)</b> <input checked="" type="checkbox"/>	<b>Resubmit &amp; Revise (C)</b> <input type="checkbox"/>
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**Comments:**

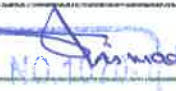

① storage and Protection of material is contractor responsibility.

② All materials shall be good Condition during in stall at site.

③ inspection done in site store for material arrive.

④ the quality of the materials are under the responsibility the Contractor.

⑤ Refer to comments in UTR (MIR-E-0024)

Party	Name	Sign	Date
QA/QC	Shimaa Elshobaky		13-05-2024
Consultant	Eman		16-5-2024

										<b>ORASCOM CONSTRUCTION</b> <i>Damietta Spinning and Weaving factories</i>		<i>Joh</i>
2	09-Nov-22	MKW	AMB	Issued for Approval							JA	
1	14-Mar-22	MKW	MM	Issued for Approval							JA	
Rev	Date	Author	Checked	Description of revision							Approved	

Cotton, Spinning, Weaving, & Garments Holding Company

Damietta Spinning & Weaving Factories

P4-DM-B1,B2,B3,B4,B5

Type of Document:

### Material Submittal

Contractor Code Number:	<b>O C</b>	<b>M A O G E N</b>	<b>0 0</b>	<b>6 0 2 2</b>	<b>0 2</b>	Sheets :	1+142
	Originator	Doc. Type	Location	S-Loc.	Dwg No.	Rev.	Scale : A4

Document Title:

## Alternative (2) Cable trays, trunks and ladder SOFTEX

Contractor: <div style="text-align: center; font-weight: bold; font-size: 1.2em;">ORASCOM</div> <div style="text-align: center; font-weight: bold; font-size: 0.8em;">CONSTRUCTION</div>	ISSUED BY:  <div style="text-align: center;">Orascom Construction</div>
---	---

For Contractor:

Name: John Nabih      Signature: *[Signature]*      Date: 12-11-2022

Consultant Action:

*As Noted on the cover  
Code B.*

AMG

(A) Approved





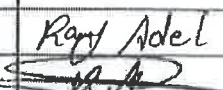

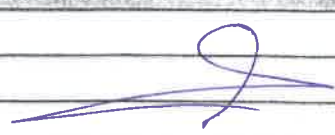

☒ (B) Approved As Noted

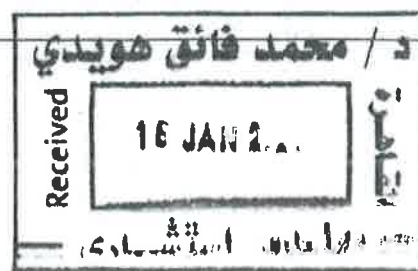
(C) To Be Resubmitted

(D) Rejected

Signature: *[Signature]*      Date: 14/11/2022



		 هويدي للاستشارات الهندسية					
Material Submittal						Transmittal No.	OC-MHSS-MA-0123
						Date:	15/Jan/24
Project: El Mehala Substation						Project Code :MHSS	
Civil (CI)	Electrical (EI)	Architectural (Arch)	Mechanical (ME)	Survey (Su)	General (Gen)		
Type of Document:							
Material Submittal <input checked="" type="checkbox"/>							
Submitted for:							
Information		Approval <input checked="" type="checkbox"/>		Review & Comment		As Requested	
Attachments: (CD + PDF)							
NO:	Material No	Rev.	Description of Material			Company Name	Product
1	OC-MA-MHSS-00-6036	01	Cable Tray, Trunk and Ladder			(Softex)	B
A Approved <input type="checkbox"/>		B Approved As Noted <input checked="" type="checkbox"/>		C Revise & Resubmit <input type="checkbox"/>		D Rejected <input type="checkbox"/>	
Comments by Consultant :							
Sample must be submitted to site for Testing The following :- ① The Presentage of galvanization digital { calibrated equipments } ② Thickness of Trays by buckles equipment { calibrated equipments } All trays must be snap-on and hot deep galvanized. Thickness of Trays must be $> 2 \text{ mm}^2$ for width $> 30 \text{ cm}$ and $1.5 \text{ mm}^2$ for width $\leq 30 \text{ cm}$ with Cover $1.25 \text{ mm}^2$ according to site Condition All accessories and special parts must be fabricated in factory							
For Orascom				For Consultant			
Job Title	T.O Engineer	Technical Office Manager		Job Title			
Name	Ramy Adel	T.O. Manager		Name			
Signature				Signature			
Date:				Date:			
Received By Contractor				Received By Consultant			
 El Mehala Substation Project							



# Submittal for approval of materials

dar Dar Al-Hendaseh

12 OCT 2023

RECEIVED

Date: 04/10/2023

Request no: EL REHAB -HG-MAT-EL-03-Rev.01

Project no. & title: THE HANGERS

Employer: وزارة الدفاع الهيئة الهندسية للقوات المسلحة	Engineer: dar	Contractor: شركة دار الهندسة
---	------------------	---------------------------------

## 1. Material description (one item only on this form) :

cable ladder 60 cm & 50 cm & 80 cm.

Area of application : ALL Project

Drawing ref. :

No. Sample -

B.O.Q. ref. no.:

Specification Ref. :

Standards:

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

## 2. Manufacturer / supplier

Company Name : softex-ses electrical system

Address :

Local agent : egysoftex

## 3. Delivery :

Country of origin : EGYOT

Availability

☒ Locally Manufactured

☐ Overseas

Delivery :

Ex-works/ total duration

[ ]

Estimated time of arrival on site

[ ]

Program :

Date material required on site

[ ]

Latest date for order

[ ]

We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.

Submitted by :

Signature:

## 4. Engineer's Representative comments:

إمضاء من الممثل الفني لدار الهندسة  
Load test

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

Signature:

Date:

15/10/23

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

dar



# Submittal for approval of materials

dar Dar Al-Hondasah  
25 JUL 2023  
RECEIVED

Date: 24/07/2023

Request no: EL REHAB -HG-MAT-EL-03-Rev.00

Project no. & title: THE HANGERS

Employer: وزارة الدفاع الهيئة الهندسية للقوات المسلحة	Engineer: dar	Contractor: مجموعة شركات مصر
---	------------------	---------------------------------

## 1. Material description (one item only on this form) :

cable ladder

Area of application : ALL Project

Drawing ref. :

B.O.Q. ref. no. :

Specification Ref. :

Standards :

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

## 2. Manufacturer / supplier

Company Name : softex-ses electrical system

Address :

Local agent : egysoflex

## 3. Delivery :

Country of origin : EGYOT

Availability

☒ Locally Manufactured

☐ Overseas

Delivery :

Ex-works/ total duration

Estimated time of arrival on site

Program :

Date material required on site

Latest date for order

We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.

Submitted by :

Signature:

## 4. Engineer's Representative comments:

مصدق  
بمقتضى  
للإشارة  
Ref: HL-MAT-EL-035-Rev.02

Signature:

Date:

25/7/23

- ☐ Approved
- ☒ Approved as noted
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

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



## طلب إستلام تشوينات (M.I.R)

المشروع : /	المركز التجارى بمحطة عدلى منصور التبادلية	مراسلة رقم	مراجعة
المالك : /	الهيئة القومية للأنفاق	00 - 04	
الإستشارى العام : /	المكتب الهندسى للعمارة والتخطيط ( أرك بلان ) أ.د/ أيمن عاشور		
المقاول العام : /	شركة كونكورد للهندسة والمقاولات		

<input type="checkbox"/> أخرى	<input type="checkbox"/> حريق	<input type="checkbox"/> تكييف	<input type="checkbox"/> صحى	<input checked="" type="checkbox"/> كهرباء	<input type="checkbox"/> إنشائى	<input type="checkbox"/> معمارى
-------------------------------	-------------------------------	--------------------------------	------------------------------	--	---------------------------------	---------------------------------

مهندس / راند توفيق إلى الإستشارى :

البند	رقم البند فى المقايضة	التشوين	الوحدة	الكمية
1	17	Cable tray 200×100mm. Thickness 1.5mm, length 3000mm	عدد	153
2		Cable tray 100×100mm. Thickness 1.5mm, length 3000mm	عدد	150
3		C Channel 40*20mm	عدد	46

المرفقات : / بيان توريد

التاريخ : ٢٠٢٢ / ١٠ / ٢٤

التاريخ : ٢٠٢٢ / ١٠ / ٢٦

توقيع المقاول : / أميرة إبراهيم

توقيع الإستشارى بالإستلام : / د. محمد ممتاز

### NAT representatives Comment :

Visual inspection only, the Contractor is Fully responsible for all material quantities and its storage.

The work is :

☐ Aproved

☒ Approved as noted

☐ Rejected

التاريخ : ٢٠٢٢ / ١٠ / ٢٦

التاريخ : ٢٠٢٢ / ١٠ / ٢٤

التاريخ : ٢٠٢٢ / ١٠ / ٢٦

الإستشارى : / د. محمد ممتاز

NAT : / نور هادي عادل

المقاول بالإستلام : / أميرة إبراهيم

\*TYPE:

SD - Shop drawings

SM - Sample

GT - Guarantee

MS - Methode of statement

QS - Quantity survey

TT - Tests

MD - Manufacture's Data

CT - Certificates

OT - Other



# Submittal for approval of materials

15 FEB 2023

Date: 14/02/2023

Request no: HL-MAT-EL-31 Rev.02

Project no. & title: Military Colleges and Institutes

Employer: وزارة الدفاع الهيئة الهندسية للقوات المسلحة	Engineer: <b>dar</b>	Contractor: <b>HIGH LEADER</b>
---	-------------------------	-----------------------------------

1. Material description (one item only on this form):

Subject: cable ladder

Area of appli All Project

(with Sample)

Drawing ref.:

B.O.Q. ref. no.: N/A

Specification Ref N/A

Standards:

Attach all relevant technical literature marked to identify relevant description. Current Test Certificates, samples as appropriate

2. Manufacturer / supplier

Company Name: SOFTEX SES ELECTRICAL SYSTEM

Address:

Local agent: EGYSOFTX

3. Delivery:

Country of origin:

EGYPT

Availability:

☒ Locally Manufactured

☐ Overseas

Delivery:

Ex-works/ total duration

Estimated time of arrival on site

Program:

Date material required on site

Latest date for order

We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated, also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.

Submitted by: Eng \ Mohamed Ramadan

Signature:

4. Engineer's Representative comments:

W=90cm C=300mm  
بجودة عالية  
طابقاً للمواصفات

Signature:

Date: 10/2/23

- ☐ Approved
- ☒ Approved (with Sample)
- ☐ Revise and resubmit
- ☐ Rejected
- ☐ Sample required
- ☐ Tests required
- ☐ Additional information required
- ☐ Manufacturer's guarantee required

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

**dar**



3	10-Mar-22	ASK	MM	Issued for Approval	JA
2	13-Jan-22	ASK	MM	Issued for Approval	JA
1	12-Dec-21	ASK	MM	Issued for Approval	JA
Rev	Date	Author	Checked	Description of revision	Approved



Cotton, Spinning, Weaving, & Garmments Holding Company  
El Mehala Dyeing and Weaving Factories  
P1-MH-02, 32, 33, 34



Bureau Egyptien de Conseils Techniques  
المكتب المصري للاستشارات الهندسية

Type of Document:

Material Submittal

Contractor Code Number:	OC	MA	0	GEN	00	6012	03	Sheets :	1+144
	Originator	Doc. Type	Location	S-Loc.	Dwg No.	Rev.		Scale :	A4

Document Title:

Alternative (1) Cable Tray, Trunk and Ladder

Contractor:

ISSUED BY:

Orascom Construction

For Contractor:

Name:

Signature:

Date: March 10, 2021

#### Consultant Action:

Material No. OC-MA-0GEN-00-6012 - Rev.03 - Alternative (1) Cable Tray, Trunk and Ladder (SOFTEX)

1. SOFTEX is an approved manufacturer for Cable Tray.
2. All cable tray accessories to be factory made.
3. Cable tray shall be perforated.
4. Thickness of cable tray cover shall be equal to cable tray thickness.
5. Cable tray size shall be approved after shop drawing approval.
6. Maximum deflection should not exceed 0.5% in the longest span.
7. Bends in either vertical or horizontal directions should be dimensioned such that cables may not be curved less than 15 times its diameter.
8. Samples to be provided. ✓

The submittal is considered Code (B) Approved as noted.



تاريخ: ١٠/١١/٢٠١٦

إدارة المهندسين العسكريين  
القراء ٣٣ الشكايات  
الكتبة ٣٢ الشكايات

## أمر موقع رقم ( ٢١٨ )

مشروع: إنشاء الحى السكنى R1 بالعاصمة الإدارية.

بخصوص: الشركات المعتمدة لأعمال Cable Tray

بناءً على تعليمات إدارة المهندسين العسكريين:

كشف بأسماء الشركات المعتمدة لأعمال Cable Tray طبقاً للكشف المعتمد من

إدارة المهندسين العسكريين:

- ١ - Novo .
- ٢ - Technological .
- ٣ - Elswedy .
- ٤ - Al Tawakol ( NTT) .
- ٥ - EMECO .
- ٦ - Softex .
- ٧ - Karma .
- ٨ - Uni-tech .
- ٩ - Qualitic .
- ١٠ - EGYTRAY .

التوقيع: ( )  
مقدم: أحمد عبد الرحمن أحمد  
قائد الكتبة ٣٣ إنشاءات  
القوات المسلحة  
القاهرة

**Material Approved Request (MAR)**

Ref.: CSM-PS-ELEC-MAR-001

Date: 9-8-2022

Rev.: 01

Subject: التماس SUBMITAL لكابل ترواي SOFTEX

Discipline: ☐ Civil ☐ Arch  
☒ Elec ☐ Mech ☐ HVAC

Project Name: FOOTBALL FACTORY

Document No.

REV.

From: SPACE PROJECTS Name: Eng. AMB ABDECHAK

Signature:

To: COSMOS Consultant

01

Attachment:

سوفتك SOFTEX مرفق مستند معتمد لشهادة الجلفته لكابل ترواي ماركة

Total No. of Pages:

Distribution:

Project Manager ☐ Construction Project Manager ☐ Project Coordinator ☐  
Quality Control ☐ Others (Specify) ☐ Others (Specify) ☐

Material Description: SOFTEX

Spec Code:

BOQ Code:

Date Received:

Date Returned:

Drawing No.

Submittal No.

Manufacturer

Supplier/Agent

Name:

Name:

Phone:

Phone:

Information submitted and attached:

Certificates ☐ Shop Drawings ☐ As Built Drawings ☐  
Technical Submittal ☐ Samples ☒ Warranty ☐  
Specifications ☐ Catalogues and Manuals ☐ Others (Specify) ☐

Consultant/Owner Comments

تم الاعتماد والمراجعة ويجب التركيب طبقا لاصوال الصيانة  
وتعليمات الشركة الموردة.

See Attachment ☐

Status:

Approved A ☐ Revise and submit C ☐  
Approved as note B ☒ Reject and Don't resubmit D ☐

Name:

محمد علي شحات

Signature:

محمد علي شحات

Date: 10/8/2022

PM

Name:

Signature:

Date: / /

# CABLE TRAY TECHNICAL DATA SHEET 3


**Code 1**



Code 1 Approved  
 Code 2 Approved with Conditions  
 Code 3 Disapproved  
 Code 4 Not reviewed  
 Permission to proceed does not relieve the contractor from full compliance with contractual obligations

Final State

Approved

StateDate

4/7/2021

Consolidate Comment

Approved

Owner :



EGYPTIAN ELECTRICITY TRANSMISSION COMPANY  
(EETC)

Consultant:



**TRACTEBEL**  
ENGIE

Contractor :



Project Title :

UPGRADE OF CAIRO REGIONAL CONTROL CENTRE  
(CRCC) PROJECT

DOCUMENT NO. : CRCC-23/T-EPC-EETC-SUBS-00112-  
CABLE TRAY TECHNICAL DATA SHEET 3

PURPOSE :

ISSUED FOR APPROVAL

0	CABLE TRAY TECHNICAL DATA SHEET 3	Mar 31, 2021	Liu J.	Yao K.	Lu Q.S.
Rev.	Description	Date	Prepared	Checked	Approved





**16131 CABLE TRAY**

- |                     |         |
|---------------------|---------|
| 1. Novo             | (Egypt) |
| 2. Technological    | (Egypt) |
| 3. Emeco            | (Egypt) |
| 4. Elswedy          | (Egypt) |
| 5. Al tawakol (NTT) | (Egypt) |
| 6. Softex           | (Egypt) |
| 7. Kama             | (Egypt) |
| 8. Uni-tech         | (Egypt) |

**16132 CABLE TRUNKING**

- |                     |         |
|---------------------|---------|
| 1. Novo             | (Egypt) |
| 2. Technological    | (Egypt) |
| 3. Elswedy          | (Egypt) |
| 4. Al tawakol (NTT) | (Egypt) |
| 5. EMECO            | (Egypt) |
| 6. Softex           | (Egypt) |
| 7. Kama             | (Egypt) |
| 8. Uni-tech         | (Egypt) |

**16118 BUSBAR TRUNKING**

- |                     |           |
|---------------------|-----------|
| 1. General Electric | (U.S.A)   |
| 2. Eaton            | (U.S.A)   |
| 3. Lectro           | (Egypt)   |
| 4. LS               | (Korea)   |
| 5. Siemens          | (Vietnam) |
| 6. RTC              | (Russian) |
| 7. Schneider        | (China)   |

خطاب اعتماد كتالوجات

المحترمين

السادة / شركة وادي النيل للمقاولات والاستثمارات العقارية

مدير المشروع / السيد المهندس

بالإشارة إلى الكتالوجات التي تم استلامها من شركتكم بخصوص /عملية استكمال معهد فتيات الأقصر الأزهرى اعمال الإلكتروميكانيك المرحلة الثانية- الوارد بتاريخ ٢٠٢١/٢/٢٥ م - بخصوص اعتماد الكتالوجات للبدء في الشراء والتوريد والتركيب.

نحيطكم علما:-

١- تقدمت الشركة بنسخة اليكترونية لكتالوج المحول الكهربى المطلوب للمشروع ماركة ABB من النوع الجاف قدرة ٥٠٠ ك.ف.ا الملفات الكهربائية في اتجاه الجهد المتوسط مصنوعة من النحاس وكذلك الملفات الكهربائية في اتجاه الجهد المنخفض مصنوعة من النحاس

بعد الاطلاع والدراسة الفنية تبين ان المحول مقبول فنيا وضرورة مراجعة شركة الكهرباء ( مصر العليا ) لإنهاء باقى إجراءات الاعتماد الفنى قبل التوريد و التركيب مع تقديم عدد (٢) نسخة مطبوعة و مختومة من الشركة للاعتماد من الإدارة العامة للكهرباء و الميكانيكا

٢- تقدمت الشركة بنسخة ورقية لكتالوج وحدة الربط الحلقية المطلوبة للمشروع ماركة ABB . بعد الاطلاع والدراسة الفنية تبين ان RMU مقبولة فنيا وضرورة مراجعة شركة الكهرباء ( مصر العليا ) لإنهاء باقى إجراءات الاعتماد الفنى قبل التوريد و التركيب مع تقديم نسخة اخري مطبوعة و مختومة من الشركة للاعتماد من الإدارة العامة للكهرباء و الميكانيكا

٣- تقدمت الشركة بنسخة ورقية لكتالوج لوحات الإضاءة ماركة EGY LUX بعد الاطلاع والدراسة الفنية تبين ضرورة تقديم كتالوجات لوحات الإضاءة ماركة- Brother 3- لإعادة الدراسة و الاعتماد الفنى قبل التوريد و التركيب

٤- تقدمت الشركة بنسخة ورقية لكتالوج المفاتيح و الجرايف ماركة Binicio Matrix مقبولة فنيا بعد الاطلاع والدراسة الفنية تبين ان هذه النوعية مقبولة فنيا وضرورة مراعاة الشروط والمواصفات الفنية فى التركيب ولا يقل سمك الصاج عن ٢ مم.

٥- تقدمت الشركة بنسخة ورقية للوحات التوزيع العمومية والفرعية من شركة Synchro Mistr بعد الاطلاع والدراسة الفنية تبين ان هذه النوعية مقبولة فنيا مع عمل الملاحظات الاتية :

١- لا تقل نسبة المفاتيح الاحتياطية عن ٢٠٪  
٢- إضافة وحدة Power Factor Correction 100 KVAR- 4 steps

٣- لا يقل مقاس اللوحات الفرعية عن ٧٠\*١٠٠\*١٥ سم  
٤- لا تقل سعة القاطع للوحة العمومية عن ٥٠ ك.أ  
٥- لا تقل سعة القاطع للوحة الرئيسة عن ٣٦ ك.أ

٦- لا تقل سعة القاطع العمومى للوحات الفرعية عن ٢٥ ك.أ  
لذا

• على الشركة إعادة تقديم للكتالوجات التي لم تعتمد حتى تاريخه

مدير عام الكهرباء و الميكانيكا

مدير الإدارة

٢١١  
٢٠٢١

٢٠٢١

## اسم المالك

شركة الاهلي للاستثمارات العمرانية

## اسم المشروع

L'AVENIR

## Vendor List

## إستشاري المشروع



**SECTION 16999**
**LIST OF RECOMMENDED ELECTRICAL MANUFACTURERS**

DIVISION	EQUIPMENT	MANUFACTURER	ORIGIN
<b>DIVISION 16060</b>			
	<b>EARTHING SYSTEM</b>	1-Furse	U.K.
		2-ERICO	GERMANY
		3-WALLIS	U.K.
		4-HARGER	U.S.A.
<b>DIVISION 16000</b>			
<b>DIVISION 16130 (RACEWAYS,BOXES AND FITTINGS)</b>	<b>PVC CONDUITS AND ACCESSORIES</b>	1-MARSHALL	EGYPT
		2-EGA TUBE	K.S.A
		3-DECODECT	DUBAI
		4-ENGINEERING HOME	EGYPT
		5-AL-REHAB	EGYPT
		6-NEW EGA	EGYPT
		7-EPS	EGYPT
	<b>STEEL BACK BOXES</b>	1- THOMAS & BETTS	U.S.A.
		2- STEEL CITY	U.S.A.
		3- O.Z / GENDEY	U.S.A.
<b>DIVISION 16130 (RACEWAYS,BOXES AND FITTINGS)</b>	<b>METAL CONDUITS AND ACCESSORIES</b>	1-ALLIED	U.S.A.
		2-WHEATLAND	U.S.A.
		3-FLEXICON	U.K.
		4-BURN	THAILAND
		5-PANASONIC	THAILAND
		6-ELECTRIC-FLEX CO	U.S.A.
		7-SMART GROUP	MALAYSIA
		8-POWER MARKET (PENDING UL CERTIFICATE APPROVAL)	EGYPT
		9-DELTA (PENDING UL CERTIFICATE APPROVAL)	EGYPT
<b>DIVISION 16131</b>	<b>CABLE TRAY</b>	1-NOVO	EGYPT
		2-TECHNOLOGICAL	EGYPT
		3-EMECO	EGYPT
		4-ELSWEDY	EGYPT
		5-AL TAWAKOL (NTT)	EGYPT
		6-SOFTEX	EGYPT
		7-KAMA	EGYPT
		8-UNI-TECH	EGYPT
<b>DIVISION 16131</b>	<b>CABLE TRUNKING</b>	1-NOVO	EGYPT
		2-TECHNOLOGICAL	EGYPT
		3-ELSWEDY	EGYPT
		4-AL TAWAKOL (NTT)	EGYPT
		5-EMECO	EGYPT

		6-SOFTEX	EGYPT
		7-KAMA	EGYPT
		8-UNI-TECH	EGYPT
<b>DIVISION 16118</b>	<b>BUSBAR TRUNKING</b>	1-GENERAL ELECTRIC	U.S.A.
		2-EATON	U.S.A.
		3-LECTRO	EGYPT
		4-LS	KOREA
		5-SIEMENS	VIETNAM
		6-RTC	RUSSIAN
		7-SQUARE D	CHINA
		8-POWER PAR	U.A.E
		9-QBAR	EGYPT
<b>DIVISION 16150</b>	<b>MISCELLANEOUS CONTROL EQUIPMENT</b>	1- SIEMENS	GERMANY
		2- SCHNEIDER	FRANCE
		3- ABB	GERMANY
		4- TELEMECANQUE	FRANCE
<b>DIVISION 16170</b>	<b>SAFETY AND MOTOR ISOLATORS (disconnects)</b>	1-GENERAL ELECTRIC	U.S.A.
		2-EATON	U.S.A.
		3-SIEMENS	U.S.A.
		4-KATKO	FINLAND
		5-SOCOMEK	FRANCE
		6-SQUARE D	U.S.A.
		7-LEGRAND	FRANCE
		8-ABB	FINLAND
<b>DIVISION 16120</b>	<b>WIRES AND CABLES</b>	1-ENERGYA	EGYPT
		2-EGYPTIAN CABLES CO.	EGYPT
		3-ELSWEDY	EGYPT
		4-GC3	EGYPT
		5-BELDEN (FOR SPECIAL CABLES)	U.K.
		6-BICC	EGYPT
		7-MESC (FOR SPECIAL CABLES)	K.S.A.
		8-ELFANAR CABLES (OPTIONAL)	K.S.A.
	<b>FIRE RESISTANT CABLES</b>	1-PRYSMIAN	ITALY
		2-FIRETEC	U.K.
		3-CLEVELAND CABLE COMPANY	U.K.
		4-DRAKA	U.K.
		5-ELSWEDY	EGYPT
		6-PIRELLI	ITALY
		7-CAVICELL	ITALY
		8-GC3	EGYPT
		9-ELFANAR CABLES (OPTIONAL)	K.S.A.
	<b>Cables terminations (for M.T. cables)</b>	1-RAYCHEM	EGYPT
		2-ELASTIMOLD	U.S.A.
		3-ELSWEDY	EGYPT
	<b>Fire stopping material</b>	1-ROXTEC	SWEDEN
		2-STI	U.S.A.
		3-HILTI	U.S.A.



Presented to:



# DISTRICT 5 - MINDHAUS STRIP

## VENDOR LIST

Prepared by:



NOVEMBER. 2020

## VENDOR LIST

### Electrical Vendor list:

Serial	Category	Vendor
1	ELECTRICAL CABLES & WIRES	EL SEWEDY cables
		Electro cable Egypt
		B.I.C.C
		Giza cables industrial
		Or equal approved.
2	CABLE TRAYS	EL SEWEDY (EGY TRAY)
		EMECO
		SOFTEX ELECTRICA
		Or equal approved.
3	PVC CONDUITS	EL REHAB
		ENGINEERING HOME
		EL SEWEDY (EGY CON)
		Or equal approved.
4	METAL CONDUITS	EMECO
		TECNO GULF
		ALLIED
		Or equal approved.
5	JUNCTION BOX	ENGINEERING HOME
		ELSWEDY (EGY CON)
		Or equal approved.

التاريخ : ٢٠٢١/٠٥/٣٠

الموضوع : اختبار درجة الجلفة لحوامل الكابلات cable ladder

### محضر اختبار

تم اليوم عمل اختبار لدرجة الجلفة لحوامل الكابلات (كيبيل لادر) ، وذلك في حضور المهندس المختص من شركة سوفتكس الموردة لحوامل الكابلات لمشروع المستشفى الجامعي ببورسعيد .

وتم تسجيل القراءات وكانت في حدود درجة الجلفته المعاييرة أعلى من ٤٥ ميكرون ، وتم تسجيل جميع القراءات بالموقع اعلى من ٦٠ درجة.

مندوب شركة سوفتكس :

م/ محمد مختار  
٢٠٢١/٥/٣٠

عن شركة ابو سمرة :

م/ مصطفى مجاهد

٢٠٢١/٥/٣٠

عن استشاري المقاول العام :

م/ محمود العزازي

٢٠٢١/٥/٣٠

وعلى ذلك تم عمل الاختبار والتوقيع ،،،

اسم المشروع: إنشاء بنك فيصل الاسلامي  
رقم المشروع: ٢٦٢٣

(Submittal)

طلب اعتماد خامات

إلى الإستشاري :-		جماعة المهندسين الإستشاريين & شاكر		من المقاول العام :		الشركة الهندسية للصناعات و التشييد	
ECG & SCG		SIAC		SIAC		SIAC	
رقم الطلب	SIAC/MAT/ELE/2623/092	الإصدار	2	التاريخ	13-Dec-20		
الموضوع	Cable Trays, Ladders & Trunks	المرفقات	مواد صفات + عينات + CD + كتالوج				
المنطقة	General	المورد	SOFTEX				
نوع الاعمال	إنشائي	معماري	كهرباء	ميكانيكا	مساحة	أخرى	
	مواد صفات	كتالوجات	بيانات فنية	عينات	أخرى		
م	البيان / الوصف	CODE					
1	Cable Trays and Accessories						
2	Cable Ladders and Accessories						
3	Cable Trunks and Accessories						

المقاول	مدير الجودة	Softex SES	مدير المكتب الفني
استلام الإستشاري	بواسطة:	التوقيع:	بتاريخ:

ملاحظات الإستشاري	Contractor has been requested numerous for the following observations, however submittal is approved as noted in order to keep project time: 1-Related specific sections of project specifications should be mentioned in submittal cover (16131 and 16132) 2-All submitted documents should be duly signed and stamped by contractor side. Refer to attached -A4- comments
-------------------	--

الإستشاري المختص	الإعتماد بواسطة:	التوقيع:	بتاريخ:
Eng. Ramy Bebars	Ramy	14/12/2020	

معتد	ج	يعاد التقديم مرة أخرى بعد اتمام الملاحظات
ب	د	معتد مع ملاحظات - يمكن للمقاول ان يستمر بناء على الملاحظات

اعتماد الإستشاري	م/.....	بتاريخ
استلام المقاول	الإستلام بواسطة :	بتاريخ

المالك :	الإستشاري :
----------	-------------

التوزيع بعد الاعتماد :	المقاول	الإستشاري
المالك	معماري	ميكانيكا
	كهرباء	تخطيط
	مدني	Q.S



Material submittal  
طلب اعتماد مواد

إلى الإستشاري :-	جماعة المهندسين الإستشاريين & شاعر ECG&SCG	شركة دار العالمية للتشيد والبناء DAR AL-ALAMIA	من المقاول العام :
رقم الطلب:	MS-BM-DAA-2596-ELEC-0006	سابقة اعمال + كتالوج + السيره الذاتية للشركة + CD	المرفقات
الإصدار:	3	Specification relative sections should be mentioned on submittal cover	
التاريخ:	25-07-20		
الموضوع:	اعتماد حوامل الكابلات وصناديق الكابلات لشركة SOFTEX		
المورد:	SOFTEX		
المصنع/	SOFTEX		
نوع الاعمال:	إنشائي	ميكانيكا	كهرباء
	معماري	مساحة	أخرى
	مواسفات	عينات	أخرى
	كتالوجات	بيانات فنية	أخرى
م	البيان / الوصف	الكود	
1	اعتماد حوامل الكابلات وصناديق الكابلات لشركة SOFTEX		
تعهد المقاول: المستندات المرفقة تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في المشروع من قبل المقاول			
المقاول	مدير القسم	مدير المكتب الفني	منسق الوثائق
استلام الإستشاري	بواسطة:	التوقيع:	بتاريخ:
ملاحظات الإستشاري			
Although submittal dated 25/7/2020, it has just received to us dated 26/8/2020			
Refer to attached -A4- comments			
الإستشاري المختص	الإعتماد بواسطة:	التوقيع:	بتاريخ:
1	معمد	ج	يعاد التقديم مرة أخرى بعد اتمام الملاحظات
ب	معمد مع ملاحظات - يمكن للمقاول ان يستمر بناء على الملاحظات	د	الطلب مرفوض
اعتماد الإستشاري	م/.....	بتاريخ	...../...../.....
استلام المقاول	الإستلام بواسطة:	بتاريخ	...../...../.....
التوزيع قبل الاعتماد:			
المالك:	الإستشاري:		
التوزيع بعد الإعتماد:	Softex SES		
المالك	المقاول	ELEC	
الإستشاري	مدني	معماري	كهرباء
	تخطيط	ميكانيكا	Q.S



# شاكر

مشروع جنوب ١١٠  
محطات التكيف المركزيه  
المحطة الرابعة للمباني (٤ ، ٥)

## طلب فحص مواد

الاستشاري: شاكر المجموعة الاستشاريه

مقدم من : مصر للتنمية الهندسية (م.م.م.م.)	موجه إلى: مدير المشروع
اسم وتوقيع المرسل: مهندس /	اسم وتوقيع الممثل: مهندس
بتاريخ: 2019 / 02 / 19	بتاريخ: 2019 / /

إصدار رقم: 00

رقم النموذج: MIR/Medcom/2468/EL/106

عنوان النموذج /				
مستل	عدد النسخ	البيان / الوصف	المصنع / بلد	رمز المواصفات
1	1	Cable Tray/Trunk/Ladder Cable Trunk (100x100) Cable Ladder (100x100) Cable Trunk (500x100) Cable Ladder (200x100) Cable Ladder (400x100)	Softex	

تعهد المقاول: المستندات المرفقة تم تدقيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول

الاستشاري المختص	الإعتماد بواسطة:	التوقيع:	بتاريخ: 2019 / /
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الملاحظات

لم معاينة المواد معالمة في الحديقة وهي مقبولة فنياً وعلى

المقاول مراعاة التالي

Softex SES

SYSTEMS

- اتباع اشتراطات التأمين والسلامة في العمل والتدريب على
- اتباع الرسومات التنفيذية المعتمدة لإنشاء التركيبات
- حماية المواد من التلف في مسئولية المقاول منفرداً

ج = معتمد مع ملاحظات ويعاد التقديم مرة أخرى

د = التطلب مرفوض ويعاد التقديم مرة أخرى

ب = معتمد

ب = معتمد مع ملاحظات. يمكن للعمل ان يستمر بناء على الملاحظات

اعتماد الاستشاري	بتاريخ: 2019 / /
استلام المقاول	بتاريخ: 2019 / /



مشروع جنوب ١١٠  
محطات التكيف المركزيه  
المحطة الرابعة للمباني (٤ ، ٥)

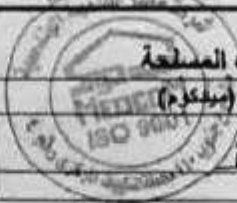


طلب فحص مواد

الاستشاري: شاكرا المجموعة الاستشاريه

المالك: الهيئة الهندسيه للقوات المسلحه

مقدم من : مصر للتنميه الهندسيه (ميفكوم)	وجه الى: مدير المشروع
اسم وتوقيع المرسل: مهندس/	اسم وتوقيع المستلم: مهندس
بتاريخ: 2018 / 12 / 19	بتاريخ: 2018 / /



إصدار رقم: 00

رقم النموذج: MIR/Medcom/Z468/EL/085

عنوان النموذج /		حسب مستندات التعاقد		مطلوب	
مستلم	عدد الترخ	البيان/ الوصف	المصنع/ بلد الصنع	رقم المواصفات	رقم المقايمة
Cable Tray/TRUNK/Ladder					
1	1	30 mt with cover	Softex	100x100x10	100x100x10
		51 mt with cover		200x100x10	200x100x10
		51 mt with cover		300x100x10	300x100x10
		51 mt		400x100x10	400x100x10
		30 mt		600x100x10	600x100x10

تعهد المقاول: المستندات المرفقة تم تدقيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول

الاستشاري المختص	الإعتماد بواسطة:	التوقيع:	بتاريخ: 2018 / 12 / 19
------------------	------------------	----------	------------------------

الملاحظات

١- تم تدقيق مستندات المقاول (المواد المذكورة) (مطابقة للمواصفات) وحكم بقبولها  
٢- تم تدقيق مستندات المقاول (المواد المذكورة) (مطابقة للمواصفات) وحكم بقبولها  
٣- مراجعة المستندات الواردة في الرسومات المعتمدة لهذا التركيب

أ = معتمد  
ب = معتمد مع ملاحظات. يمكن للعمل أن يستمر بناء على الملاحظات  
ج = معتمد مع ملاحظات ويعاد التقديم مرة أخرى  
د = الطلب مرفوض ويعاد التقديم مرة أخرى

اعتماد الاستشاري	اعتماد المقاول
بتاريخ: 2018 / 12 / 19	بتاريخ: 2018 / /
الإعتماد بواسطة:	

## Ahmed Mokhtar

---

**From:** Hossam Hamdy <hossam.hamdy@ehafconsulting.org>  
**Sent:** Tuesday, October 23, 2018 2:24 PM  
**To:** 'Ahmed Mokhtar'  
**Subject:** RE: Softex Electrical Systems, Cable Trays / Ladders Manufacturer

Dear Eng. Ahmed

Received and appreciated.

"Softex" is now listed in EHAF trays' list of approved manufacturers.

Regards,

Hossam Hamdy | Head  
Electrical Division

Address: 5 Abdel Rahman Hussein St., Mohandeseen, Giza, Egypt

Tel.: (+2) 02- 3760 10 99 Ext.: **260**

Cell: (+2) 010- 0182 09 42

E-mail: [hossam.hamdy@ehafconsulting.org](mailto:hossam.hamdy@ehafconsulting.org)

[www.ehaf.com](http://www.ehaf.com)



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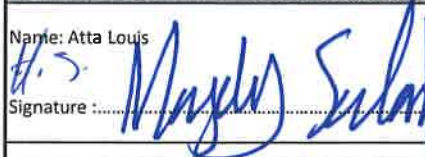





# MATERIAL APPROVAL REQUEST ( M.A.R )

CONTRACT #	PROJECT : ARWWTP	From ORQ To AAW	ISSUE DATE	05-08-19	
M.A.R #	ARWWTP-ORQ-AAW-MAR-00082	Rev. #	DUE DATE	26-08-19	
AREA	General		For Action : <input checked="" type="checkbox"/>	ACTION CODE	
UNIT			For Information : <input type="checkbox"/>	Approved <input type="checkbox"/> A	
STRUCTURE UNIT				App. as noted <input checked="" type="checkbox"/> B	
REFERENCES				Revise & Resubmit <input type="checkbox"/> C	
DISCIPLINE	Civil <input type="checkbox"/> Arch <input type="checkbox"/> Survey <input type="checkbox"/> Mech <input type="checkbox"/> Elec <input checked="" type="checkbox"/> General <input type="checkbox"/>			Reject <input type="checkbox"/> D	
MAIN DESCRIPTION	CABLE TRAYS SOFTEX		OTHER Info:		
Sr.	Ref.	Rev.	Description	Type Action	
1	ORQ-MA-GEN-00-4016	00	CABLE TRAYS SOFTEX	MAR	

Enclosure: 20 Page A4 Hardcopies & Softcopy PDF.

ORASQUALIA Signature	Received by AAW Signature
Name: Atta Louis	Name :
Signature : 	Signature : 

## CONSTRUCTION SUPERVISION REMARKS:

\* The cables trays and ladders are approved and the following comments should be implemented:

- (1) The steel sheet thickness should be not less than 2 mm.
  - (2) The Galvanized coating thickness should be not less than 60 micron.
  - (3) The contractor is requested to provide samples for inspection and approval with all certificates before supplying materials to the site.
- Eng. Mostafa Elsheikh  
Eng. MA

AAW Signature	Received by ORASQUALIA Signature
Name : ELEC. R-E 6/8/2019	Name :
Signature : Eng. Mostafa Elsheikh	Signature :
Type	SMP: Sample MD: Manufacturer's Data MAR: Material

**Emaar Misr,  
Uptown Cairo Project  
Mokattam, Cairo - Egypt**

Client:	Emaar Misr for Development S.A.E.	
Project Manager:	Turner Construction International	
Construction Supervision:	Shaker Consultancy Group	
Contractor:	Consortium: ( KN / HHI )	
Package Name:	Zahraa El Mokattam 220/22 KV GIS Substation	
Package No.:	PKG#55	

**Document Cover Sheet**

			Date:	11/06/2018
Document Title:	MAERIAL SUBMITTAL FOR GIS CABLE TRAY	No. of Pages including Cover Page:	9	
Document No.:	KN-PK55-0455	Document Revision No:	Rev.00	

Document Action Code:	<b>ACTION CODE: B</b> <b>APPROVED AS NOTED</b>
-----------------------	---

Reviewing Log	This Table shall be Filled by Construction Supervision "Shaker Consultancy Group"					
Transmittal No.	221					
Date:	14-6-2018					
Revision:	00					
Action Code:	B					





www.ace-mb.com



## Letter

To:	Softex Egypt.	From:	Elsewedy Electric T&D
Att.:	Mr. Maged Reda		Eng. Medhat Maher
Fax:		Fax:	+202 27599781 /82 /83
Phone:	01005256600	Phone:	+202 27599788
E-mail:	<a href="mailto:trading@softexsw.com">trading@softexsw.com</a>	E-mail:	<a href="mailto:m.maher@elsewedy.com">m.maher@elsewedy.com</a>
Cc :	Eng. Mohamed Shiha Eng. Karim Zaki Eng. Hesham Zaki	Pages:	1
Date :	01-02-2018	Our Ref:	P-59-16-OF-47
Subject:	P-59-16/ New Heliopolis 66/22 kV Substation / Cable Ladders / Softex / PO-69/ Manufacturing letter.		

Dear Sir,

Referring to our P.O# **P-59-16-PO-69** dated **01-02-2018**; you are kindly requested to start the manufacturing for all quantities of Items mentioned in the referred PO considering the following:-

- 1- The approved technical Specifications in the referred PO.
- 2- This manufacture release does not relief 'Softex' from any Contractual obligation if existing in the project document and specification.

Hence; you are kindly requested to provide us with the expected readiness date for inspection.

This is for your information and further necessary action.

Thanks & Best Regards,  
Eng. Medhat Maher

Supply Chain Director  
& Board Member

## Letter

To:	Softex Egypt.	From:	Elsewedy Electric T&D
Att.:	Mr. Maged Reda		Eng. Medhat Maher
Fax:		Fax:	+202 27599781 /82 /83
Phone:	01005256600	Phone:	+202 27599788
E-mail:	<a href="mailto:trading@softexsw.com">trading@softexsw.com</a>	E-mail:	<a href="mailto:m.maher@elsewedy.com">m.maher@elsewedy.com</a>
Cc :	Eng. Mohamed Shiha Eng. Karim Zaki Eng. Hesham Zaki	Pages:	1
Date :	15-11-2017	Our Ref:	P-65-16-OF-49
Subject:	P-65-16/ Kayan 110 South Military 220kV Substation/ Cable Ladders / Softex / PO-61/ Manufacturing letter.		

Dear Sir,

Referring to our P.O# **P-65-16-PO-61** dated **15-11-2017**; you are kindly requested to start the manufacturing for all quantities of Items mentioned in the referred PO considering the following:-

- 1- The approved technical submittal in the referred PO.
- 2- This manufacture release does not relief 'Softex' from any Contractual obligation if existing in the project document and specification.

Hence; you are kindly requested to provide us with the expected readiness date for inspection.

This is for your information and further necessary action.

Thanks & Best Regards,  
Eng. Medhat Maher

Supply Chain Director  
& Board Member



## Letter

<b>To:</b>	<b>Softex</b>	<b>From:</b>	<b>Elsewedy Electric T&amp;D</b>
<b>Att.:</b>	<b>Ahmed Mokhtar</b>		<b>Eng. Medhat Maher</b>
<b>Fax:</b>		<b>Fax:</b>	<b>+202 27599781 /82 /83</b>
<b>Phone:</b>	<b>01000693055</b>	<b>Phone:</b>	<b>+202 27599788</b>
<b>E-mail:</b>	<b>a.mokhtar@softexsw.com</b>	<b>E-mail:</b>	<b>m.maher@elsewedy.com</b>
<b>Cc :</b>	<b>Eng. Mohamed Shiha Eng. Karim Zaki Eng. Hesham Zaki Eng. AbdelAziz Shaaban</b>	<b>Pages:</b>	<b>4</b>

<b>Date :</b>	<b>20-11-2019</b>	<b>Our Ref:</b>	<b>P-19-19-OF-28</b>
<b>Subject:</b>	<b>P-19-19/ Canal Sugar- 220/33/33 kV GIS S/S / Cable Trays / Softex/ PO-36/ Manufacturing letter.</b>		

Dear Sir,

Referring to our P.O# **P-19-19-PO-36** dated **20/11/2019** you are kindly requested to start the manufacturing for all quantities mention in the below Schedule as per approved technical Drawings.

#	Description	U.	Qty.
1	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=350 mm wall Mounted With thickens 3mm plate complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	11
2	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=550 mm wall Mounted With thickens 3mm plate complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	73
3	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=650 mm Wall Mount with thickens 3mm with welded base plate (two holes for fixations M12) complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	447
4	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=850 mm wall Mounted With thickens 3mm plate complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	282
5	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=300 mm I beam Mounted with thickens 3mm complete with 2 Hexagonal Bolt M12 * 30, 4 Flat washer M12, 2 Hex. Nuts M12, 2 Spring washer M12 as per enclosed approved drawings.	No.	35
6	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=550 mm I beam Mounted with thickens 3mm complete with 2 Hexagonal Bolt M12 * 30, 4 Flat washer M12, 2 Hex. Nuts M12, 2 Spring washer M12 as per enclosed approved drawings.	No.	62
7	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=400 mm I beam Mounted with thickens 3mm complete with 2 Hexagonal Bolt M12 * 30, 4 Flat washer M12, 2 Hex. Nuts M12, 2 Spring washer M12 as per enclosed approved drawings.	No.	107
8	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=600 mm I beam Mounted with thickness 3 mm complete with 2 Hexagonal Bolt M12 * 30, 4 Flat washer M12, 2 Hex. Nuts M12, 2 Spring washer M12 as per enclosed approved drawings.	No.	195
9	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=650 mm I BEAM Mounted thickness 3 mm complete with 2 Hexagonal Bolt M12 * 30, 4 Flat washer M12, 2 Hex. Nuts M12, 2 Spring washer M12 as per enclosed approved drawings.	No.	6

Office : Plot 27, 1st District, 5th settlement New Cairo  
Tel. : (202) +202 275 99 781  
Fax : (202) +202 275 99 788  
Web : [www.elsewedy.com](http://www.elsewedy.com)

*B. ASY*  
*As. M. Shihy*  
*M.I. 27.11.19*  
*MAH*  
*H.7*  
ELSEWEDY CABLES  
2005 National Awards For Excellence  
National Award for Excellence in 4 years



10	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=850 mm I beam Mounted, thickness 3 mm complete with 2 Hexagonal Bolt M12 * 30, 4 Flat washer M12, 2 Hex. Nuts M12, 2 Spring washer M12 as per enclosed approved drawings.	No.	90
11	Hot Dip Galvanized (After Fabrication) Cable Ladder 600mm width and 100mm height "Standard Type" without Cover, standard length 3mt, Side 2 mm thickness, rung 30*15*1.5 mm with spacing 300 mm complete with 2 Straight connectors, 8 Bolts M6 * 16mm, 8 washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	144
12	HDG (After Fabrication) Cable Ladder 500mm width and 100mm height , "Standard Type" without Cover, 3 mt length with side 2mm thickness & rung 30*15*1.5 mm with spacing 300mm complete with 2 Straight Connectors, 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	95
13	Hot Dip Galvanized (After Fabrication) Cable Ladder 300mm width and 100 mm height Standard Type without Cover 3 mt length with side 2mm thickness & rung 30*15*1.5 mm with spacing 300mm complete with 2 Straight Connectors 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	66
14	Hot Dip Galvanized (After Fabrication) Perforated Cable Tray 200 mm width and 50 mm height, 2 mm thickness "standard Type" with cover 1.25 mm , standard length 3 mt, complete with 2 Straight connectors, 8 Bolts M6 * 16mm, 8 washers M6, 8 Nuts M6 as per enclosed approved drawings.	Mt.	198
15	Hot Dip Galvanized (After Fabrication) Horizontal Elbow 90 degree "Curvature Type" for Cable Ladder 600/600 width suitable to above cable ladders with bending radius 300 mm complete with 2 Straight connectors, 8 Bolts M6 * 16mm, 8 washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	11
16	Horizontal Elbow 90 degree "Curvature Type" for Cable Ladder 500/500 width and 100mm height Hot Dip Galvanized (After Fabrication) without cover. With bending radius 500mm complete with 2 Straight connectors, 8 Bolts M6 * 16mm, 8 washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	15
17	Hot Dip Galvanized (After Fabrication) Horizontal Cross "Curvature Type" for Cable Ladder 300/300/300/300 width with bending radius 300mm suitable to above cable ladders complete with 2 Straight connectors, 8 Bolts M6 * 16mm, 8 washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	2
18	Horizontal Tee "Curvature Type" for Cable Ladder 500 width and 100 mm height HDG (After Fabrication) without cover with bending radius 500mm complete with 6 straight connectors & 8 Bolt M6*16mm, 8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	17
19	Hot Dip Galvanized (After Fabrication) Horizontal Tee "Curvature Type" for Cable Ladder 300/300/300 width with bending radius 300mm suitable to above cable ladders complete with 2 Straight connectors, 8 Bolts M6 * 16mm, 8 washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	11
20	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=300mm) wall mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	30
21	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=600mm) wall mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	85
22	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=900mm) wall mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	24

Office : Plot 27, 1st District, 5th settlement New Cairo

Tel. : (202) +202 275 99 781

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Web : [www.elsewedyelectric.com](http://www.elsewedyelectric.com)

B.ASY

S. M. Shih

ELSEWEDY  
ELECTRIC  
CABLES

ELSEWEDY Cable is the winner of the 2005  
National Award for Excellence in Export

2005 National  
Awards For Excellence

H.1



23	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) channel (unit Length=1200mm) Ceiling mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	28
24	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=850mm) wall mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	27
25	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=800mm) Ceiling mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	9
26	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=1050mm) Ceiling mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	7
27	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=1250mm) Ceiling mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	28
28	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=1500mm) Ceiling mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	4
29	HDGAF adjustable angle (pair) complete with 4 Bolt M6 * 16 mm, 4 washer M 6, 4 Nuts M6 as per enclosed approved drawings.	No.	10
30	Cable ladder clamp with hole M6 complete with 1 Mushroom Head Bolt M6 * 16 mm, 1 flat washer M6, 1 Hex Nuts M6 as per enclosed approved drawings.	No.	620
31	Horizontal Elbow 90 degree "Curvature Type" for Cable Ladder 300/300 width and 100mm height Hot Dip Galvanized (After Fabrication) without cover complete with 2 Straight Connectors, 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	11
32	Horizontal Cross "Curvature Type" for Cable Ladder 500/500/500/500 width and 100mm height Hot Dip Galvanized (After Fabrication) without cover complete with 2 Straight Connectors, 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	8
33	Horizontal Tee "Curvature Type" for Cable Ladder 600 width and 100 mm height HDG (After Fabrication) without cover with radius 300mm complete with 6 straight connectors & 8 Bolt M6*16mm, 8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	2
34	Hot Dip Galvanized (After Fabrication) Horizontal Cross "Curvature Type" with cover for Cable Tray 200 width with bending radius 300mm with Cover suitable to above cable tray complete with 2 Straight Connectors, 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	1
35	Hot Dip Galvanized (After Fabrication) Horizontal Tee "Curvature Type" for Cable Tray 200width with bending radius 300mm with cover suitable to above cable ladders complete with 2 Straight Connectors, 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	4
36	Cover For TEE of tray 200 mm as per enclosed approved drawings.	No.	4
37	Hot Dip Galvanized (After Fabrication) Horizontal Elbow 90 degree "Curvature Type" for Cable tray 200width with cover suitable to above cable tray complete with 2 Straight Connectors, 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	11
38	cover of ELBOW tray 200 mm as per enclosed approved drawings.	No.	11
39	Hot Dip Galvanized (After Fabrication) Cable Tray with Flange Perforated Type, 2 mm thickness without Cover width 100 mm, L/P=3 Mt. Complete with:2 Straight Connectors.8 Mushroom Head Bolt M6*16mm, 8 Flat Washers M6, 8 Hex. Nuts M6 as per enclosed approved drawings.	Mt.	81

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*M. J. J. J.*

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*M. A. H.*

*H. F.*

40	Cover "Press Type" For Cable Tray Hot Dip Galvanized (After Fabrication). L/P = 3 Mt, 2 mm thickness, width = 100 mm as per enclosed approved drawings as per enclosed approved drawings.	Mt.	81
41	Heavy duty Hot Dip Galvanized (After Fabrication) Perforated single C-Channel 42 x 42mm (Unit Length=600mm) with welded head plate at one end complete with 2 Hexagonal Head Bolt M12 * 30 mm, 2 Flat washers M12, 2 Hex. Nuts M12 as per enclosed approved drawings.	No.	18

This manufacture release does not relief **"Softex"** from any Contractual obligation if existing in the project document and specification.

Accordingly, you are kindly requested to provide us with the following: -

- 1- Readiness Date.
- 2- Any other documents mentioned in the purchase order.

This is for your information and further necessary action.

Thanks & Best Regards,  
Eng. Medhat Maher

Managing Director



## Letter

<b>To:</b>	<b>Softex</b>	<b>From:</b>	<b>Elsewedy Electric T&amp;D</b>
<b>Att.:</b>	<b>Eng. Ahmed Mokhtar</b>		<b>Eng. Medhat Maher</b>
<b>Fax:</b>		<b>Fax:</b>	<b>+202 27599781 /82 /83</b>
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<b>E-mail:</b>	<b>a.mokhtar@softexsw.com</b>	<b>E-mail:</b>	<b>m.maher@elsewedy.com</b>
<b>Cc :</b>	<b>Eng. Mohamed Shiha Eng. Karim Zaki Eng. Hesham Zaki Eng. Taha Ali</b>	<b>Pages:</b>	<b>3</b>
<b>Date :</b>	<b>24-06-2018</b>	<b>Our Ref:</b>	<b>P-29-17-OF-30</b>
<b>Subject:</b>	<b>P-29-17 / S1 Cairo Capital Project / Cable Ladders / Softex / PO-52 / Manufacturing letter.</b>		

Dear Sir,

Referring to our P.O# **P-29-17-PO-52** dated **21/06/2018** you are kindly requested to start the manufacturing for all quantities in the below Schedules as per approved technical specifications.

#	Description	Unit	Qty
1	Special Wall Bracket Fixed on Wall Hot Dip Galvanized (After Fabrication) , with Welded Head Plate , Thickness = 3 mm ,L/P=700mm. Complete With: 2 Hexagonal Bolt M12*50mm , 2 Acmon M12, 2 Flat Washers M12.2 Spring Washer M12 as per approved technical specifications.	PCs	1750
2	Special Wall Bracket Fixed on Wall Hot Dip Galvanized (After Fabrication) , with Welded Head Plate , Thickness = 3 mm ,L/P=400mm. Complete With: 2 Hexagonal Bolt M12*50mm , 2 Acmon M12, 2 Flat Washers M12.2 Spring Washer M12 as per approved technical specifications.	PCs	1830
3	Special Wall Bracket Fixed on Wall Hot Dip Galvanized(After Fabrication),with Welded Head Plate , Thickness = 3 mm ,L/P=300mm. Complete With: 2 Hexagonal Bolt M12*50mm , 2 Acmon M12, 2 Flat Washers M12.2 Spring Washer M12 as per approved technical specifications.	PCs	230
4	Special Wall Bracket Fixed On UPN (80*45) Hot Dip Galvanized (After Fabrication),with Welded Head Plate , Thickness = 3 mm , L/P=700mm. Complete With: 2 Hexagonal Bolt M12*30mm , 2 Hex. Nuts M12, 4 Flat Washers M12.2 Spring Washer M12 as per approved technical specifications.	PCs	400
5	Special Wall Bracket Fixed On UPN (80*45) Hot Dip Galvanized (After Fabrication), with Welded Head Plate, Thickness = 3 mm, L/P=400mm. Complete With: 2 Hexagonal Bolt M12*30mm, 2 Hex. Nuts M12, 4 Flat Washers M12.2 Spring Washer M12 as per approved technical specifications.	PCs	300
6	Special Wall Bracket Fixed On UPN (80*45) Hot Dip Galvanized (After Fabrication),with Welded Head Plate , Thickness = 3 mm, L/P=300mm. Complete With: 2 Hexagonal Bolt M12*30mm , 2 Hex. Nuts M12, 4 Flat Washers M12.2 Spring Washer M12 as per approved technical specifications.	PCs	90

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7	Special Wall Bracket Fixed On UPN (80*45) Hot Dip Galvanized (After Fabrication), with Welded Head Plate , Thickness = 3 mm ,L/P=600mm. Complete With: 2 Hexagonal Bolt M12*30mm , 2 Hex. Nuts M12, 4 Flat Washers M12.2 Spring Washer M12 as per approved technical specifications.	PCs	735
8	Hot Dip Galvanized (After Fabrication) Cable Ladder without Cover. Width = 600 mm , Height = 100 mm, L/P=3 Mt. side 2mm.Rung 30*15*1.5mm.space 300mm.Complete With:2 Straight Connectors.8 Mushroom Head Bolt M6*16 8 Flat Washers M6 8 Hex Nuts M6 as per approved technical specifications.	Mt.	1152
9	Hot Dip Galvanized (After Fabrication) Cable Ladder without Cover. Width = 500 mm , Height = 100 mm, L/P=3 Mt. side 2mm.Rung 30*15*1.5mm.space 300mm.Complete With:2 Straight Connectors.8 Mushroom Head Bolt M6*16 8 Flat Washers M6 8 HexNuts M6 as per approved technical specifications.	Mt.	1872
10	Hot Dip Galvanized (After Fabrication) Cable Ladder without Cover. Width = 300 mm , Height = 100 mm, L/P=3 Mt. side 2mm.Rung 30*15*1.5mm.space 300mm.Complete With:2 Straight Connectors.8 Mushroom Head Bolt M6*16 8 Flat Washers M6 8 Hex Nuts M6 as per approved technical specifications.	Mt.	801
11	Hot Dip Galvanized (After Fabrication ) Cable Tray with flange perforated type without cover, L/P = 3 Mt. , Width = 200 mm , Height = 100 mm complete with :2 Straight Connectors.8 Mushroom Head Bolt M6*16 8 Flat Washers M6 8 Hex Nuts M6 as per approved technical specifications.	Mt.	732
12	Middle Reducer for Cable Ladder Hot Dip Galvanized (After Fabrication) without cover. Width = 500 / 300 mm, Height = 100 mm, as per approved technical specifications.	PCs	15
13	Horizontal Elbow 90 degree "Curvature Type" for Cable Ladder Hot Dip Galvanized (After Fabrication) without cover, R=800mm. Width = 600 mm , Height = 100 mm, as per approved technical specifications.	PCs	15
14	Horizontal Elbow 90 degree "Curvature Type" for Cable Ladder Hot Dip Galvanized (After Fabrication) without cover, R=500mm. Width = 500 mm , Height = 100 mm as per approved technical specifications.	PCs	20
15	Horizontal Cross "Curvature Type" for Cable Ladder Hot Dip Galvanized (After Fabrication) without cover, R=500mm Width = 500 mm, Height = 100 mm as per approved technical specifications.	PCs	18
16	Horizontal Tee "Curvature Type" for Cable Ladder Hot Dip Galvanized (After Fabrication) without cover, R=500mm. Width = 500 mm , Height = 100 mm as per approved technical specifications.	PCs	40
17	Perforated I support100*50 with welded Head Plate (200*100*6) L/P=900mm. Hot Dip Galvanized (After Fabrication) as per approved technical specifications.	PCs	185
18	Perforated I support100*50 with welded Head Plate (200*100*6) L/P=1200mm. Hot Dip Galvanized (After Fabrication) as per approved technical specifications.	PCs	175
19	Perforated I support100*50 with welded Head Plate (200*100*6) L/P=1000mm. Hot Dip Galvanized (After Fabrication) as per approved technical specifications.	PCs	190
20	Perforated I support 100*50 with welded Head Plate (200*100*6) L/P=700mm. Hot Dip Galvanized (After Fabrication) as per approved technical specifications.	PCs	105
21	Perforated I support100*50 with welded Head Plate (200*100*6) L/P=800mm. Hot Dip Galvanized (After Fabrication) as per approved technical specifications.	PCs	130

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22	Perforated I support 100*50 with welded Head Plate (200*100*6) L/P=600mm. Hot Dip Galvanized (After Fabrication) as per approved technical specifications.	PCs	530
23	Perforated I support 100*50 with welded Head Plate (200*100*6) L/P=350mm. Hot Dip Galvanized (After Fabrication) as per approved technical specifications.	PCs	335
24	Perforated I support 100*50 with welded Head Plate (200*100*6) L/P=1500mm. Hot Dip Galvanized (After Fabrication) as per approved technical specifications.	PCs	460
25	Perforated Single C Channel (42*42) Hot Dip Galvanized (After Fabrication) With Two Welded Head Plat (150*50*6) At both ends, L/P=1000mm. Complete With: 4 Hexagonal Bolt M12*30mm , 4 Hex. Nuts M12, 8 Flat Washers M12.4 Spring Washer M12 as per approved technical specifications.	PCs	1000
26	Perforated Single C-Channel (42*42) Hot Dip Galvanized (After Fabrication) With Two Welded Head Plat (150*50*6) At both ends, L/P=1200mm. Complete With: 4 Hexagonal Bolt M12*30mm , 4 Hex. Nuts M12, 8 Flat Washers M12.4 Spring Washer M12 as per approved technical specifications.	PCs	20
27	2 Pcs. Angle Connector for Cable Tray Hot Dip Galvanized (After Fabrication) Height = 100 mm, Thickness = 1.5 mm Complete with 8 Mushroom Head Bolts M6*16mm, 8 Nuts M6,8 Washers M6 as per approved technical specifications..	PCs	30
28	Ladder Clamp M6 (50*30*4mm) Hot Dip Galvanized (After Fabrication) Complete With 1 Mushroom Head Bolt M6*16mm,1 Flat Washer M6,1 Hex Nut M6 as per approved technical specifications.	PCs	3500
29	Divider Strip Hot Dip Galvanized (After Fabrication) th.=2mm L/P=3mt. Height = 100 mm , Thickness = 1.5 mm Complete With 3 Mushroom Head Bolt M6*16mm,3 Flat Washer M6,3 Hex. Nut M6. as per approved technical specifications.	Mt.	42
30	Heavy duty Hot Dip Galvanized (After Fabrication) Perforated Single C-Channel 42*42 mm (Unit Length = 2000 mm with all necessary fixation accessories (bolts, nuts, washers ... ) as per approved technical specifications.	Unit	30

This manufacture release does not relief 'Softex Company' from any Contractual obligation if existing in the project document and specification.

Accordingly, you are kindly requested to provide us with the following:-

- 1- Readiness Date.
- 2- Any other documents mentioned in the purchase order.

This is for your information and further necessary action.

**Thanks & Best Regards,**  
**Eng. Medhat Maher**

**Managing Director**

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For A.R.  
K.M. 20  
MI



## Letter

<b>To:</b>	<b>Softex</b>	<b>From:</b>	<b>Elsewedy Electric T&amp;D</b>
<b>Att.:</b>	<b>Ahmed Mokhtar</b>		<b>Eng. Medhat Maher</b>
<b>Fax:</b>		<b>Fax:</b>	<b>+202 27599781 /82 /83</b>
<b>Phone:</b>	<b>01000693055</b>	<b>Phone:</b>	<b>+202 27599788</b>
<b>E-mail:</b>	<b>a.mokhtar@softexsw.com</b>	<b>E-mail:</b>	<b>m.maher@elsewedy.com</b>
<b>Cc :</b>	<b>Eng. Mohamed Shiha Eng. Wael Elmarhomy Eng. Hesham Zaki</b>	<b>Pages:</b>	<b>1 + approved technical specifications</b>
<b>Date :</b>	<b>17-03-2019</b>	<b>Our Ref:</b>	<b>P-35-17-OF-04</b>
<b>Subject:</b>	<b>P-35-17 / CANRCC Project / Ladders / Softex / PO-04 / Manufacture letter.</b>		

Dear Sir,

Referring to our P.O# **P-35-17-PO-04** dated **05/03/2019** you are kindly requested to start manufacturing for the quantities in the below Schedule as per enclosed approved technical specifications.

#	Description	Unit	Qty.
1	Hot Dip Galvanized (After Fabrication) Cable Ladder without cover 300 mm width, 100 mm height, "Standard Type" 3 mtr length with side 2 mm thickness & rung spacing 300 mm complete with 2 straight connectors, 8 bolts M6*16m, 8 washers M6, 8 nuts M6 as per enclosed approved technical drawings	MT.	1449
2	Hot Dip Galvanized (After Fabrication) Cable Ladder without cover 100 mm width, 100 mm height, "Standard Type" 3 mtr length with side 2 mm thickness & rung spacing 300 mm complete with 2 straight connectors, 8 bolts M6*16m, 8 washers M6, 8 nuts M6 as per enclosed approved technical drawings.	MT.	882
3	Hot Dip Galvanized (After Fabrication) Cable Ladder without cover 600 mm width, 100 mm height, "Standard Type" 3 mtr length with side 2 mm thickness & rung spacing 300 mm complete with 2 straight connectors, 8 bolts M6*16m, 8 washers M6, 8 nuts M6 as per enclosed approved technical drawings.	MT.	216

This manufacture release does not relief "Softex" from any Contractual obligation if existing in the project document and specification.

Accordingly, you are kindly requested to provide us with the following:-

- 1- Readiness Date.
- 2- Any other documents mentioned in the Purchase Order.

This is for your information and further necessary action.

Thanks & Best Regards,  
Eng. Medhat Maher

Managing Director

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*Handwritten signatures and stamps:*  
- Signature: AS  
- Stamp: 17/3/19  
- Signature: MAH  
- Signature: H-Z  
- Signature: M.Sh  
- Signature: E.M  
- Stamp: 2019/3/19  
- Stamp: 2005 National Awards For Excellence  
- Stamp: 2005 National Award for Excellence in Export



## Letter

<b>To:</b>	<b>Softex</b>	<b>From:</b>	<b>Elsewedy Electric T&amp;D</b>
<b>Att.:</b>	<b>Ahmed Mokhtar</b>		<b>Eng. Medhat Maher</b>
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<b>E-mail:</b>	<b>a.mokhtar@softexsw.com</b>	<b>E-mail:</b>	<b>m.maher@elsewedy.com</b>
<b>Cc :</b>	<b>Eng. Mohamed Shiha Eng. Karim Zaki Eng. Hesham Zaki Eng. AbdelAziz Shaaban</b>	<b>Pages:</b>	<b>4</b>

<b>Date :</b>	<b>20-11-2019</b>	<b>Our Ref:</b>	<b>P-19-19-OF-28</b>
<b>Subject:</b>	<b>P-19-19/ Canal Sugar- 220/33/33 kV GIS S/S / Cable Trays / Softex/ PO-36/ Manufacturing letter.</b>		

Dear Sir,

Referring to our P.O# **P-19-19-PO-36** dated **20/11/2019** you are kindly requested to start the manufacturing for all quantities mention in the below Schedule as per approved technical Drawings.

#	Description	U.	Qty.
1	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=350 mm wall Mounted With thickens 3mm plate complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	11
2	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=550 mm wall Mounted With thickens 3mm plate complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	73
3	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=650 mm Wall Mount with thickens 3mm with welded base plate (two holes for fixations M12) complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	447
4	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=850 mm wall Mounted With thickens 3mm plate complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	282
5	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=300 mm I beam Mounted with thickens 3mm complete with 2 Hexagonal Bolt M12 * 30, 4 Flat washer M12, 2 Hex. Nuts M12, 2 Spring washer M12 as per enclosed approved drawings.	No.	35
6	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=550 mm I beam Mounted with thickens 3mm complete with 2 Hexagonal Bolt M12 * 30, 4 Flat washer M12, 2 Hex. Nuts M12, 2 Spring washer M12 as per enclosed approved drawings.	No.	62
7	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=400 mm I beam Mounted with thickens 3mm complete with 2 Hexagonal Bolt M12 * 30, 4 Flat washer M12, 2 Hex. Nuts M12, 2 Spring washer M12 as per enclosed approved drawings.	No.	107
8	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=600 mm I beam Mounted with thickness 3 mm complete with 2 Hexagonal Bolt M12 * 30, 4 Flat washer M12, 2 Hex. Nuts M12, 2 Spring washer M12 as per enclosed approved drawings.	No.	195
9	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=650 mm I BEAM Mounted thickness 3 mm complete with 2 Hexagonal Bolt M12 * 30, 4 Flat washer M12, 2 Hex. Nuts M12, 2 Spring washer M12 as per enclosed approved drawings.	No.	6

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*As. M. Shihy*  
*M.I. 27.11.19*  
*MAH*  
*H.7*  
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10	Heavy duty cable bracket Hot Dip Galvanized (After Fabrication) length=850 mm I beam Mounted, thickness 3 mm complete with 2 Hexagonal Bolt M12 * 30, 4 Flat washer M12, 2 Hex. Nuts M12, 2 Spring washer M12 as per enclosed approved drawings.	No.	90
11	Hot Dip Galvanized (After Fabrication) Cable Ladder 600mm width and 100mm height "Standard Type" without Cover, standard length 3mt, Side 2 mm thickness, rung 30*15*1.5 mm with spacing 300 mm complete with 2 Straight connectors, 8 Bolts M6 * 16mm, 8 washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	144
12	HDG (After Fabrication) Cable Ladder 500mm width and 100mm height , "Standard Type" without Cover, 3 mt length with side 2mm thickness & rung 30*15*1.5 mm with spacing 300mm complete with 2 Straight Connectors, 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	95
13	Hot Dip Galvanized (After Fabrication) Cable Ladder 300mm width and 100 mm height Standard Type without Cover 3 mt length with side 2mm thickness & rung 30*15*1.5 mm with spacing 300mm complete with 2 Straight Connectors 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	66
14	Hot Dip Galvanized (After Fabrication) Perforated Cable Tray 200 mm width and 50 mm height, 2 mm thickness "standard Type" with cover 1.25 mm , standard length 3 mt, complete with 2 Straight connectors, 8 Bolts M6 * 16mm, 8 washers M6, 8 Nuts M6 as per enclosed approved drawings.	Mt.	198
15	Hot Dip Galvanized (After Fabrication) Horizontal Elbow 90 degree "Curvature Type" for Cable Ladder 600/600 width suitable to above cable ladders with bending radius 300 mm complete with 2 Straight connectors, 8 Bolts M6 * 16mm, 8 washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	11
16	Horizontal Elbow 90 degree "Curvature Type" for Cable Ladder 500/500 width and 100mm height Hot Dip Galvanized (After Fabrication) without cover. With bending radius 500mm complete with 2 Straight connectors, 8 Bolts M6 * 16mm, 8 washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	15
17	Hot Dip Galvanized (After Fabrication) Horizontal Cross "Curvature Type" for Cable Ladder 300/300/300/300 width with bending radius 300mm suitable to above cable ladders complete with 2 Straight connectors, 8 Bolts M6 * 16mm, 8 washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	2
18	Horizontal Tee "Curvature Type" for Cable Ladder 500 width and 100 mm height HDG (After Fabrication) without cover with bending radius 500mm complete with 6 straight connectors & 8 Bolt M6*16mm, 8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	17
19	Hot Dip Galvanized (After Fabrication) Horizontal Tee "Curvature Type" for Cable Ladder 300/300/300 width with bending radius 300mm suitable to above cable ladders complete with 2 Straight connectors, 8 Bolts M6 * 16mm, 8 washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	11
20	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=300mm) wall mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	30
21	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=600mm) wall mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	85
22	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=900mm) wall mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	24

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S. M. Shih

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23	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) channel (unit Length=1200mm) Ceiling mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	28
24	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=850mm) wall mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	27
25	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=800mm) Ceiling mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	9
26	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=1050mm) Ceiling mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	7
27	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=1250mm) Ceiling mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	28
28	Heavy duty Hot Dip Galvanized (After Fabrication) I BEAM(100x50) (unit Length=1500mm) Ceiling mounted with welded head plate with 2 holes M12 complete with 2 Anchor Bolt M12 * 100 mm & 2 washers 12 mm as per enclosed approved drawings.	No.	4
29	HDGAF adjustable angle (pair) complete with 4 Bolt M6 * 16 mm, 4 washer M 6, 4 Nuts M6 as per enclosed approved drawings.	No.	10
30	Cable ladder clamp with hole M6 complete with 1 Mushroom Head Bolt M6 * 16 mm, 1 flat washer M6, 1 Hex Nuts M6 as per enclosed approved drawings.	No.	620
31	Horizontal Elbow 90 degree "Curvature Type" for Cable Ladder 300/300 width and 100mm height Hot Dip Galvanized (After Fabrication) without cover complete with 2 Straight Connectors, 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	11
32	Horizontal Cross "Curvature Type" for Cable Ladder 500/500/500/500 width and 100mm height Hot Dip Galvanized (After Fabrication) without cover complete with 2 Straight Connectors, 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	8
33	Horizontal Tee "Curvature Type" for Cable Ladder 600 width and 100 mm height HDG (After Fabrication) without cover with radius 300mm complete with 6 straight connectors & 8 Bolt M6*16mm, 8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	2
34	Hot Dip Galvanized (After Fabrication) Horizontal Cross "Curvature Type" with cover for Cable Tray 200 width with bending radius 300mm with Cover suitable to above cable tray complete with 2 Straight Connectors, 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	1
35	Hot Dip Galvanized (After Fabrication) Horizontal Tee "Curvature Type" for Cable Tray 200width with bending radius 300mm with cover suitable to above cable ladders complete with 2 Straight Connectors, 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	4
36	Cover For TEE of tray 200 mm as per enclosed approved drawings.	No.	4
37	Hot Dip Galvanized (After Fabrication) Horizontal Elbow 90 degree "Curvature Type" for Cable tray 200width with cover suitable to above cable tray complete with 2 Straight Connectors, 8 Bolts M6*16m,8 Washers M6, 8 Nuts M6 as per enclosed approved drawings.	No.	11
38	cover of ELBOW tray 200 mm as per enclosed approved drawings.	No.	11
39	Hot Dip Galvanized (After Fabrication) Cable Tray with Flange Perforated Type, 2 mm thickness without Cover width 100 mm, L/P=3 Mt. Complete with:2 Straight Connectors.8 Mushroom Head Bolt M6*16mm, 8 Flat Washers M6, 8 Hex. Nuts M6 as per enclosed approved drawings.	Mt.	81

Office : Plot 27, 1st District, 5th settlement New Cairo

Tel. : (202) +202 275 99 781

Fax : (202) +202 275 99 788

Web : [www.elseweddy.com](http://www.elseweddy.com)

*Handwritten signatures and stamps:*  
 B. ASY  
 AS  
 M. J. J. J.  
 ELSEWEDY CABLES  
 2005 National Awards For Excellence  
 National Award for Excellence in Export  
 M. A. H.  
 H. F.

40	Cover "Press Type" For Cable Tray Hot Dip Galvanized (After Fabrication). L/P = 3 Mt, 2 mm thickness, width = 100 mm as per enclosed approved drawings as per enclosed approved drawings.	Mt.	81
41	Heavy duty Hot Dip Galvanized (After Fabrication) Perforated single C-Channel 42 x 42mm (Unit Length=600mm) with welded head plate at one end complete with 2 Hexagonal Head Bolt M12 * 30 mm, 2 Flat washers M12, 2 Hex. Nuts M12 as per enclosed approved drawings.	No.	18

This manufacture release does not relief **"Softex"** from any Contractual obligation if existing in the project document and specification.

Accordingly, you are kindly requested to provide us with the following: -

- 1- Readiness Date.
- 2- Any other documents mentioned in the purchase order.

This is for your information and further necessary action.

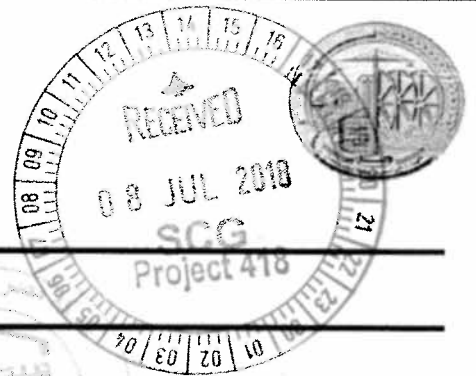
Thanks & Best Regards,  
Eng. Medhat Maher

Managing Director



# شاكر

## مشروع جنوب 110 محطات التكييف المركزيه المحطة الرابعة للمباني (4 ، 5)



### طلب فحص مواد

الاستشاري: شاكر المجموعة الاستشاريه

المالك: الهيئة الهندسيه للقوات المسلحه

موجه الى: مدير المشروع	مقدم من : مصر للتنمية الهندسيه (ميدكوم)
اسم وتوقيع المستلم: مهندس	اسم وتوقيع المرسل: مهندس / رزق
بتاريخ: 2018/ /	بتاريخ: 2018 / 07 / 07

إصدار رقم: 01

رقم النموذج: MIR/Medcom/2468/EL/038-Rev.01

عنوان النموذج/		عدد النسخ		البيان/ الوصف		المصنع/ بلد		رمز المواصفات	رمز المعايير	بدل	حسب مستندات التعاقد
مسلسل	1	عدد النسخ	1	Cable Tray/TRUNK/Ladder		Softex					

تعهد المقاول: المستندات المرفقة تم تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول

الاستشاري المختص	الإعتماد بواسطة:	التوقيع:	بتاريخ: 2018 / /
------------------	------------------	----------	------------------

الملاحظات	تم معاينة المواد المذكورة وهي مقبولة فنياً مع ملاحظة الملاحظات الآتية :- 1- مراجعة استراتيجيات السلامة والامان في تخزين المواد حتى لا يتعرض للتلف . 2- اتباع تعليمات التصنيع في تخزين المواد وتغليفها . 3- رشاء التغليفات المودون في الرسومات التنفيذية .
-----------	--

ج = معتمد مع ملاحظات ويعاد التقديم مرة أخرى ☐ ا = معتمد ☐

ب = معتمد مع ملاحظات. يمكن للعمل أن يستمر بناء على الملاحظات ☒ د = الطلب مرفوض ويعاد التقديم مرة أخرى ☐

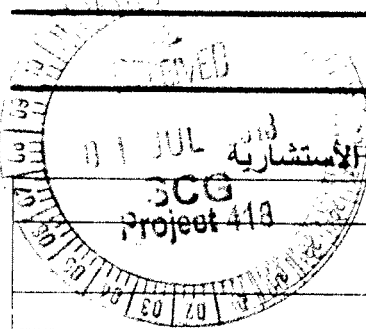
اعتماد الاستشاري	م /	بتاريخ: 2018 / 9 / 9
استلام المقاول	الاستلام بواسطة	بتاريخ: 2018 / /





مشروع جنوب 110  
محطات التكيف المركزيه  
المحطة الرابعة للمباني (4 ، 5)

طلب فحص مواد



المالك: الهيئة الهندسية للقوات المسلحة	الاستشاري: شاكر المجموعة الاستشارية
مقدم من: مصر للتنمية الهندسية (ميكوم)	موجه إلى: مدير المشروع
اسم وتوقيع المرسل: مهندس / <i>م. ك. ك.</i>	اسم وتوقيع المستلم: مهندس
بتاريخ: 2018 / 06 / 28	بتاريخ: 2018 / /

إصدار رقم: 00

رقم النموذج: MIR/Medcom/2468/EL/038

عنوان النموذج /		حسب مستندات التعاقد		بدل	
مسلسل	عدد النسخ	البيان / الوصف	المصنع / بلد	رمز المواصفات	رمز المقاييس
1	1	Cable Tray/TRUNK/Ladder	Softex		

تعهد المقاول: المستندات المرفقة تم تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول

الاستشاري المختص	الإعتماد بواسطة:	التوقيع:	بتاريخ: 2018 / /
------------------	------------------	----------	------------------

الملاحظات  
\* Galvanization certificate for attached quantities and delivered materials must be attached.

ج = معتمد مع ملاحظات ويعاد التقديم مرة أخرى

ا = معتمد

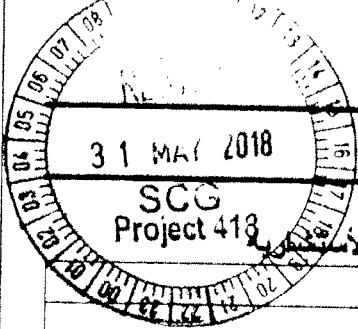
د = الطلب مرفوض ويعاد التقديم مرة أخرى

ب = معتمد مع ملاحظات. يمكن للعمل أن يستمر بناء على الملاحظات

اعتماد الاستشاري	م / <i>س. ك. ك.</i>	بتاريخ: 2018 / /
استلام المقاول	الاستلام بواسطة: <i>1 / 7 / 2018</i>	بتاريخ: 2018 / /

شاك

مشروع جنوب 110  
محطات التكييف المركزيه  
المحطة الرابعة للمباني (4 ، 5)



طلب اعتماد مواد

المالك: الهيئة الهندسية للقوات المسلحة	الاستشاري: شاكر المجموعة الاستشارية
مقدم من: مصر للتنمية الهندسية (ميدكوم)	موجه إلى: مدير المشروع
اسم وتوقيع المرسل: مهندس /	اسم وتوقيع المستلم: مهندس
بتاريخ: 2018 / 05 / 31	بتاريخ: 2018 / /

إصدار رقم: 00

MAT/Medcom/

رقم النموذج: /2468/EL/Sub-049

عنوان النموذج/		حسب مستندات التعاقد		بدل	
مسلسل	عدد النسخ	البيان/ الوصف	المصنع/ بلد الصنع	رمز المواصفات	رمز المقايسة
1		Cable Tray/Trunk/Ladder	Softex		

تعهد المقاول: المستندات المرفقة تم تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول

الاستشاري المختص	الإعتماد بواسطة:	التوقيع:	بتاريخ
			2018 / /
الملاحظات			
<p>معتد مع انه سيجي لوزنزام المواصفات الهيئة الهندسية</p>			

ج = معتمد مع ملاحظات ويعاد التقديم مرة أخرى

ا = معتمد

د = الطلب مرفوض ويعاد التقديم مرة أخرى

ب = معتمد مع ملاحظات. يمكن للعمل أن يستمر بناء على الملاحظات

اعتماد الاستشاري	م /	بتاريخ 2018 / /
استلام المقاول	الاستلام بواسطة	بتاريخ 2018 / /



مشروع جنوب ١١٠  
محطات التكيف المركزيه  
المحطة الرابعة للمباني (٤ ، ٥)



طلب فحص مواد

الاستشاري: شاكرا المجموعة الاستشارية

المالك: الهيئة الهندسية للقوات المسلحة

مقدم من : مصر للتنمية الهندسية (ميفكوم)	وجه إلى: مدير المشروع
اسم وتوقيع المرسل: مهندس/	اسم وتوقيع المستلم: مهندس
بتاريخ: 2018 / 12 / 19	بتاريخ: 2018 / /



إصدار رقم: 00

رقم النموذج: MIR/Medcom/Z468/EL/085

عنوان النموذج /		حسب مستندات التعاقد		مطلوب	
مستلم	عدد الترخ	البيان/ الوصف	المصنع/ بلد الصنع	رقم المواصفات	رقم المقايضة
Cable Tray/TRUNK/Ladder					
1	1	30 mt with 51mm	Softex	400x100x10	Cable Tray
		51mm with 51mm		200x100x10	Cable Tray
		51mm with 51mm		300x100x10	Cable Tray
		51mm		400x100x10	Cable Tray
		30 mt		600x100x10	Cable Tray

تعهد المقاول: المستندات المرفقة تم تدقيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول

الاستشاري المختص	الإعتماد بواسطة:	التوقيع:	بتاريخ: 2018 / 12 / 19
------------------	------------------	----------	------------------------

الملاحظات

1- تم تدقيق المواد المذكورة (مطابقة ظاهرية) وحكم بقبولها  
2- تم تدقيق المواد المذكورة ونسبتها جيداً  
3- تم تدقيق المواد المذكورة ونسبتها جيداً  
4- تم تدقيق المواد المذكورة ونسبتها جيداً  
5- تم تدقيق المواد المذكورة ونسبتها جيداً

ج = معتمد مع ملاحظات ويعاد التقديم مرة أخرى

أ = معتمد

د = المطلوب مرفوض ويعاد التقديم مرة أخرى

ب = معتمد مع ملاحظات. يمكن للعمل أن يستمر بناء على الملاحظات

بتاريخ: 2018 / 12 / 19	الاعتماد الاستشاري
بتاريخ: 2018 / /	الاعتماد المقاول



تاريخ امر 28.01.2020  
التوريد:

رقم الساب : 5100067562

ادرة مشتريات : EG01

امر توريد رقم : 113/MYH/2020

الجهة الطالبة : (ASSUIT OIL REFINING COMPANY (ASORC

طلبات المهمات رقم : 1200110321

فاكس رقم : 02-25378566

السادة : سوفتكس للبرمجيات-1100021512

ماجد احمد رضا

مكان التسليم : مخازن الفرع بالقطامية مصر

العنوان : فيلا 222 أ شارع التسعين الشمالى التجمع

ميعاد التسليم :

طريقة الشراء : 1340/MYH/19

فورا اصدار امر التوريد

طريقة الدفع :

غرامة التأخير بواقع 1 % (واحد بالمائة)  
عن كل أسبوع تأخير وبعد اقصى 5 %  
(خمسة فى المائة) من إجمالى أمر التوريد  
دون الحاجة إلى تنبيه أو انذار أو  
حكم \*

شيك عند الفحص و الإستلام - توريدات

التأمين التالى بـ ٥٪ من اجمالي التوريد

بالإشارة إلى العرض المقدم منكم للموضوع عاليه .. رجاء توريد الأصناف الاتي بيانها :

م	كود الصنف	الصنف	الكمية		سعر الوحدة EGP	القيمة EGP
			الوحدة	العدد		
	047002000499	HOT DEEP GALV.CABLE 10سم6x .TRAY+FIX.ACC HDG Perforated type cable tray 100x60mm 1.25mm thickness w cover 1.25mm press type complete with 2 straight connector 4 bolts M6*16mm 4 washers M6 , 4 nuts M6	M	150.00	150.00	22,500.00
		الإجمالى			22,500.00	
		M0			3,150.00	
		أرباح تجارية وصناعية			-225.00	
		الإجمالى بعد إضافة المصروفات			25,425.00	
		TOTAL: only TWENTY-FIVE THOUSAND FOUR HUNDRED TWENTY-FIVE EGP 00 / 100				

يتم الالتزام بكافة المواصفات الفنية المدرجة بعرض السعر المقدم منكم

<p>عن شركة بتروجيت مدير عام مساعد تنفيذ المشتريات المحلية (.....) مدير عام مساعد المشتريات المحلية (.....)</p>	<p>( إقرار ) استملت الأصل و موافق علي توريد المهمات الموضحة بعاليه طبقا لشروط المرفقة مع هذا الأمر. الاسم : التوقيع : التاريخ :</p>
--	---



## Purchase Order

**Order Number : 19000032 HD 03100**
**Revision Number :**
**All Invoices shall refer to this Purchase Order Number**
**Supplier Name**

SOFTEX EMPOWERING YOUR BUSINESS FUTURE  
ش والي كوبري القبه 18  
شقة 4 - الدور الأول  
CAIRO

**Supplier Reference**

Attention to : Mr. Ahmed Mokhtar  
Supplier Code : 585913  
Supplier Phone Number : 24529717  
Supplier Fax Number :  
Supplier E-Mail Address : www.softex.net

**Order Reference**

Project Number : 3100217320  
Project Name : GEZERET EL DAHAB WTP  
Order Date : 16/01/2019  
Revision Date : 16/01/2019  
Cost Code : 3100217320  
Supplier Quote/Ref : SES-1901-005  
Delivery Terms : Ex Works

**Contact Information**

Buyer Name : MOHAMED BOSSILA  
Buyer Phone Number : 0020 1029159777  
Buyer Fax Number : 0020  
Buyer E-Mail Address : mohamed.bossila@veolia.com

Line Number	VWS Item Code	Quantity	UoM	Delivery Date	Unit Net Price	Total Net Price in EGP
1.000	R163PR120010	21.000	M	18/02/2019		
<b>Item Description</b>						
HDG Cable Ladder 1000x100mm As per below description						
<b>Item Notes</b>						
HDG Cable ladder 1000x100mm, thickness 2mm, unit length 3000mm, With 2 Splice plates 100mm height, bolts, nuts & washers.						
2.000	R163PR120010	108.000	M	18/02/2019		
<b>Item Description</b>						
HDG Cable Ladder 900x100mm As per below description						
<b>Item Notes</b>						
HDG Cable ladder 900x100mm, thickness 2mm, unit length 3000mm, With 2 Splice plate 100mm height bolts, nuts & washers						
3.000	R163PR120010	168.000	M	18/02/2019		
<b>Item Description</b>						
HDG Cable Ladder 750x100mm As per below description						
<b>Item Notes</b>						
HDG Cable ladder 750x100mm, thickness 2mm, unit length 3000mm, With 2 Splice plate 100mm height, bolts, nuts & washers.						
4.000	R163PR120010	177.000	M	18/02/2019		
<b>Item Description</b>						
HDG Cable Ladder 600x100mm As per below description						
<b>Item Notes</b>						
HDG Cable ladder 600x100mm, thickness 2mm, unit length 3000mm, With 2 Splice plate 100mm height, bolts, nuts & washers.						
5.000	R163PR120010	963.000	M	18/02/2019		
<b>Item Description</b>						
HDG Cable Ladder 500x100mm As per below description						
<b>Item Notes</b>						
HDG Cable ladder 500x100mm, thickness 2mm, unit length 3000mm, With 2 Splice plate 100mm height, bolts, nuts & washers.						
6.000	R163PR120010	39.000	M	18/02/2019		
<b>Item Description</b>						

**Veolia Water Technologies Egypt LLC**

Unit 8, 2<sup>nd</sup> Floor, Building 3, Downtown Complex  
Road 90, Fifth Settlement - New Cairo 11835 - Egypt.  
Off. +202 231 46 101/2/3 fax +202 231 46 109/110  
www.veoliawatertechnologies.com





## Purchase Order

**Order Number : 19000032 HD 03100**

**Revision Number :**

**All Invoices shall refer to this Purchase Order Number**

HDG Cable Ladder 400x100mm As per below description					
<b>Item Notes</b>					
HDG Cable ladder 400x100mm, thickness 2mm, unit length 3000mm, With 2 Splice plate 100mm height, bolts, nuts & washers.					
7.000	R163PR120010	198.000	M	18/02/2019	
<b>Item Description</b>					
HDG Cable Ladder 300x100mm As per below description					
<b>Item Notes</b>					
HDG Cable ladder 300x100mm, thickness 2mm, unit length 3000mm, With 2 Splice plate 100mm height, bolts, nuts & washers.					
8.000	R163PR120010	30.000	M	18/02/2019	
<b>Item Description</b>					
HDG Cable Ladder 200x100mm As per below description					
<b>Item Notes</b>					
HDG Cable ladder 200x100mm, thickness 2mm, unit length 3000mm, With 2 Splice plate 100mm height, bolts, nuts & washers.					
9.000	R163PR120010	9.000	M	18/02/2019	
<b>Item Description</b>					
HDG Cable Tray 600x100mm As per below description					
<b>Item Notes</b>					
HDG Cable Tray 600x100mm, thickness 2mm, unit length 3000mm, With Cover 1.5mm thickness, 2 Splice plate 100mm height, bolts, nuts & washers.					
10.000	R163PR120010	1293.000	M	18/02/2019	
<b>Item Description</b>					
HDG Cable Tray 200x100mm As per below description					
<b>Item Notes</b>					
HDG Cable Tray 200x100mm, thickness 2mm, unit length 3000mm, With Cover 1.5mm thickness, 2 Splice plate 100mm height, bolts, nuts & washers.					
11.000	R163PR120010	255.000	M	18/02/2019	
<b>Item Description</b>					
HDG Cable Tray 100x100mm As per below description					
<b>Item Notes</b>					
HDG Cable Tray 100x100mm, thickness 2mm, unit length 3000mm, With Cover 1.5mm thickness, 2 Splice plate 100mm height, bolts, nuts & washers					

**Price Basis:**

-Prices are in EGP, excluding VAT, based on EX Works Seller's Premises.

**Delivery Terms & Conditions:**

- Ex Works Seller's Premises.
- Delivery schedule is as per enclosed Schedule approved by sign & stamp from the Supplier.
- Partial delivery: Applicable.
- The supplier should submit samples (Tray + Ladder) for approval within max. 3 working days from the date of Purchase Order receipt.

**Payment Terms:**

- 100% of each invoice value will be payable via Bank Transfer within 30 days from delivery and receiving the relevant invoice.
- Partial payment against partial delivery is applicable.

**Note:**

- All parts should be Hot Dip Galvanized as per approved Offer, drawings and specifications.





## Purchase Order

Order Number : 19000032 HD 03100

Revision Number :

All Invoices shall refer to this Purchase Order Number

The here-below clauses are an integral indivisible part of this Purchase Order

- This Purchase Order is made on the basis of our Terms and Conditions attached herewith.
- By accepting this Purchase Order, the Supplier is deemed to have read and fully informed himself of the Terms and Conditions, and agrees to be fully bound by them.
- Delivery of goods is only accepted upon the Supplier's presentation of duly signed delivery note that is accepted by the Buyer's representative.
- Order Acknowledgment : In the event, the Buyer does not receive the signed and stamped copy of the Purchase Order either through an e-mail or fax within 7 days from the date of this Purchase Order, the Supplier shall be deemed to have accepted the Purchase Order as sent by the Buyer.
- The Supplier must state inquiry / purchase order / and item number in all correspondences.

### Logistics:

- All delivery dates mentioned herein are to be understood as the dates the goods are received at the delivery address or as per agreed INCOTERMS.
- The INCOTERMS mentioned above are the INCOTERMS 2010

Deliver To:	Invoice To:	Gross Amount :		
Veolia Water Technologies Egypt LLC Unit-8 , 2nd Floor ,Building-3 Down town complex , Road-90 5th Settlement Egypt	Veolia Water Technologies Egypt LLC Unit-8 , 2nd Floor ,Building-3 Down town complex , Road-90 5th Settlement Egypt hany.salah@veolia.com	883,557.00 EGP		
		Discount Amount		
		0.00 EGP		
Delivery Instruction:	Place of Delivery			
Delivery : Normal [ ] Urgent [ ] Mode of Shipment : Air [ ] Sea [ ] Land [ ] Packing Type : Air Worthy [ ] Sea Worthy [ ] Land Transport [ ]	Engine Factory (A.O.I) OMAR ABD ELAZIZ ST. Helwan CAIRO 12	Sales Tax(%)	14.00	123,697.98
		Withholding Tax (%)	0.50	4,417.79
		Total Amount	1,002,837.20 EGP	
Payment Terms or Conditions				
30 Days from the Invoice Date				
Procurement Signature	Authorised Signature	Supplier Signature		





## Purchase Order

**Order Number : 19000033 HD 03100**
**Revision Number :**
**All Invoices shall refer to this Purchase Order Number**
**Supplier Name**
**SOFTX EMPOWERING YOUR BUSINESS FUTURE**

ش والي كوبري القبه 18 -

شقة 4 - الدور الأول

CAIRO

**Supplier Reference**
**Attention to** : Mr. Ahmed Mokhtar

**Supplier Code** : 585913

**Supplier Phone Number** : 24529717

**Supplier Fax Number** :

**Supplier E-Mail Address** : www.softex.net

**Order Reference**
**Project Number** : 3100217301  
**Project Name** : BALAANA STP 32000M2/DAY  
**Order Date** : 16/01/2019  
**Revision Date** : 16/01/2019  
**Cost Code** : 3100217301  
**Supplier Quote/Ref** : SES-1901-001  
**Delivery Terms** : Ex Works

**Contact Information**
**Buyer Name** : MOHAMED BOSSILA  
**Buyer Phone Number** : 0020 1029159777  
**Buyer Fax Number** : 0020  
**Buyer E-Mail Address** : mohamed.bossila@veolia.com

Line Number	VWS Item Code	Quantity	UoM	Delivery Date	Unit Net Price	Total Net Price in EGP
1.000	R163PR120010	36.000	M	11/02/2019		
<b>Item Description</b> HDG Cable Ladder 600x100 mm C/W Cover as per below desc.						
<b>Item Notes</b> HDG Cable ladder 600x100mm, thickness 2mm, unit length 3000mm, With Cover 1.5mm thickness, 2 Splice plate 100mm height, bolts, nuts & washers.						
2.000	R163PR120010	150.000	M	11/02/2019		
<b>Item Description</b> HDG Cable Ladder 500x100 mm C/W Cover as per below desc.						
<b>Item Notes</b> HDG Cable ladder 500x100mm, thickness 2mm, unit length 3000mm, With Cover 1.5mm thickness, 2 Splice plate 100mm height, bolts, nuts & washers.						
3.000	R163PR120010	30.000	M	11/02/2019		
<b>Item Description</b> HDG Cable Ladder 400x100 mm C/W Cover as per below desc.						
<b>Item Notes</b> HDG Cable ladder 400x100mm, thickness 2mm, unit length 3000mm, With Cover 1.5mm thickness, 2 Splice plate 100mm height, bolts, nuts & washers.						
4.000	R163PR120010	42.000	M	11/02/2019		
<b>Item Description</b> HDG Cable Ladder 300x100 mm C/W Cover as per below desc.						
<b>Item Notes</b> HDG Cable ladder 300x100mm, thickness 2mm, unit length 3000mm, With Cover 1.5mm thickness, 2 Splice plate 100mm height, bolts, nuts & washers.						
5.000	R163PR120010	60.000	M	11/02/2019		
<b>Item Description</b> HDG Cable Ladder 200x100 mm C/W Cover as per below desc.						
<b>Item Notes</b>						



## Purchase Order

Order Number : 19000033 HD 03100

Revision Number :

All Invoices shall refer to this Purchase Order Number

HDG Cable Tray 200x100mm, thickness 2mm, unit length 3000mm, With Cover 1.5mm thickness, 2 Splice plate 100mm height, bolts, nuts & washers.					
6.000	R163PR120010	501.000	M	11/02/2019	
<b>Item Description</b>					
HDG Cable Ladder 100x100 mm C/W Cover as per below desc.					
<b>Item Notes</b>					
HDG Cable Tray 100x100mm, thickness 2mm, unit length 3000mm, With Cover 1.5mm thickness, 2 Splice plate 100mm height, bolts, nuts & washers.					
7.000	R163PR120010	18.000	EA	11/02/2019	
<b>Item Description</b>					
HDG Wall Bracket 600mm Length Thickness 2mm					
<b>Item Notes</b>					
8.000	R163PR120010	75.000	EA	11/02/2019	
<b>Item Description</b>					
HDG Wall Bracket 500mm Length Thickness 2mm					
<b>Item Notes</b>					
9.000	R163PR120010	15.000	EA	11/02/2019	
<b>Item Description</b>					
HDG Wall Bracket 400mm Length Thickness 2mm					
<b>Item Notes</b>					
10.000	R163PR120010	21.000	EA	11/02/2019	
<b>Item Description</b>					
HDG Wall Bracket 300mm Length Thickness 2mm					
<b>Item Notes</b>					
11.000	R163PR120010	30.000	EA	11/02/2019	
<b>Item Description</b>					
HDG Wall Bracket 200mm Length Thickness 2mm					
<b>Item Notes</b>					
12.000	R163PR120010	252.000	EA	11/02/2019	
<b>Item Description</b>					
HDG Wall Bracket 100mm Length Thickness 2mm					
<b>Item Notes</b>					

**Price Basis:**

-Prices are in EGP, excluding VAT, based on EX Works Seller's Premises.

**Delivery Terms & Conditions:**

- Ex Works Seller's Premises.
- Delivery schedule is as per enclosed Schedule approved by sign & stamp from the Supplier.
- Partial delivery: Not Applicable.

**Payment Terms:**

-100% of Total Order value will be payable via Bank Transfer within 30 days from delivery and receiving the relevant invoice.

**Veolia Water Technologies Egypt LLC**

Unit 8, 2<sup>nd</sup> Floor, Building 3, Downtown Complex  
Road 90, Fifth Settlement - New Cairo 11835 - Egypt.  
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## Purchase Order

Order Number : 19000033 HD 03100

Revision Number :

All Invoices shall refer to this Purchase Order Number

**Note:**

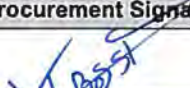
-All parts should be Hot Dip Galvanized as per approved Offer, drawings and specifications.

The here-below clauses are an integral indivisible part of this Purchase Order

- This Purchase Order is made on the basis of our Terms and Conditions attached herewith.
- By accepting this Purchase Order, the Supplier is deemed to have read and fully informed himself of the Terms and Conditions, and agrees to be fully bound by them.
- Delivery of goods is only accepted upon the Supplier's presentation of duly signed delivery note that is accepted by the Buyer's representative.
- Order Acknowledgment : In the event, the Buyer does not receive the signed and stamped copy of the Purchase Order either through an e-mail or fax within 7 days from the date of this Purchase Order, the Supplier shall be deemed to have accepted the Purchase Order as sent by the Buyer.
- The Supplier must state inquiry / purchase order / and item number in all correspondences.

**Logistics:**

- All delivery dates mentioned herein are to be understood as the dates the goods are received at the delivery address or as per agreed INCOTERMS.
- The INCOTERMS mentioned above are the INCOTERMS 2010

Deliver To:	Invoice To:	Gross Amount :		
Veolia Water Technologies Egypt LLC Unit-8 , 2nd Floor ,Building-3 Down town complex , Road-90 5th Settlement Egypt	Veolia Water Technologies Egypt LLC Unit-8 , 2nd Floor ,Building-3 Down town complex , Road-90 5th Settlement Egypt hany.salah@veolia.com	256,443.00 EGP		
		Discount Amount		
Delivery Instruction:		0.00 EGP		
Delivery : Normal [ ] Urgent [ ] Mode of Shipment : Air [ ] Sea [ ] Land [ ] Packing Type : Air Worthy [ ] Sea Worthy [ ] Land Transport [ ]	Air Craft Factory (ACF) Omar Abd Elaziz St CAIRO	Sales Tax(%)	14.00	35,902.02
		Withholding Tax (%)	0.50	1,282.22
		Total Amount	291,062.81 EGP	
Payment Terms or Conditions				
30 Days from the Invoice Date				
Procurement Signature	Authorised Signature	Supplier Signature		
				



## Purchase Order

**Order Number : 19000733 HD 03100**
**Revision Number :**
**All Invoices shall refer to this Purchase Order Number**
**Supplier Name**
**SOFTEX ELECTRICAL SYSTEMS**

ش والي كوبري القبه 18 -

شقة 4 - الدور الأول

CAIRO

**Supplier Reference**
**Attention to** : Mr. Ahmed Mokhtar

**Supplier Code** : 585913

**Supplier Phone Number** : 24529717

**Supplier Fax Number** :

**Supplier E-Mail Address** : www.softex.net

**Order Reference**
**Project Number** : 3100218339  
**Project Name** : NAGAA EL HAGER STP  
**Order Date** : 21/12/2019  
**Revision Date** : 22/12/2019  
**Cost Code** : 3100218339  
**Supplier Quote/Ref** : SES-1909-067  
**Delivery Terms** : Ex Works

**Contact Information**
**Buyer Name** : MOHAMED BOSSILA  
**Buyer Phone Number** : 0020 1029159777  
**Buyer Fax Number** : 0020  
**Buyer E-Mail Address** : mohamed.bossila@veolia.com

Line Number	VWS Item Code	Quantity	UoM	Delivery Date	Unit Net Price	Total Net Price in EGP
1.000	R163PR120010	1452.000	M	05/01/2020		
<b>Item Description</b>						
HDG Cable Tray 200x100 mm 2 mm Thickness						
<b>Item Notes</b>						
2.000	R163PR120010	1452.000	M	05/01/2020		
<b>Item Description</b>						
HDG Cover for Tray 200x100mm 1.5 mm Thickness						
<b>Item Notes</b>						
3.000	R163PR120010	27.000	M	05/01/2020		
<b>Item Description</b>						
HDG Cable Ladder 1000x100 mm 2 mm Thickness						
<b>Item Notes</b>						
4.000	R163PR120010	27.000	M	05/01/2020		
<b>Item Description</b>						
HDG Cover for Ladder 1000x100 1.5 mm Thickness						
<b>Item Notes</b>						
5.000	R163PR120010	18.000	M	05/01/2020		
<b>Item Description</b>						
HDG Cable Ladder 600x100 mm 2 mm Thickness						
<b>Item Notes</b>						
6.000	R163PR120010	18.000	M	05/01/2020		
<b>Item Description</b>						
HDG Cover for Ladder 600x100mm 1.5 mm Thickness						
<b>Item Notes</b>						
7.000	R163PR120010	60.000	M	05/01/2020		

**Veolia Water Technologies Egypt LLC**

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## Purchase Order

Order Number : 19000733 HD 03100

Revision Number :

All Invoices shall refer to this Purchase Order Number

<b>Item Description</b>					
HDG Cable Ladder 500x100 mm 2 mm Thickness					
<b>Item Notes</b>					
8.000	R163PR120010	60.000	M	05/01/2020	
<b>Item Description</b>					
HDG Cover for Ladder 500x100mm 1.5 mm Thickness					
<b>Item Notes</b>					
9.000	R163PR120010	120.000	M	05/01/2020	
<b>Item Description</b>					
HDG Cable Ladder 400x100 mm 2 mm Thickness					
<b>Item Notes</b>					
10.000	R163PR120010	120.000	M	05/01/2020	
<b>Item Description</b>					
HDG Cover for Ladder 400x100mm 1.5 mm Thickness					
<b>Item Notes</b>					
11.000	R163PR120010	252.000	M	05/01/2020	
<b>Item Description</b>					
HDG Cable Ladder 300x100mm 2 mm Thickness					
<b>Item Notes</b>					
12.000	R163PR120010	252.000	M	05/01/2020	
<b>Item Description</b>					
HDG Cover for Ladder 300x100mm 1.5 mm Thickness					
<b>Item Notes</b>					

**Technical Specifications:**

-All specifications are as per supplier's approved offer "SES-1909-067" and samples.

**Delivery Terms:**

-Ex Works Seller's Premises.

**Delivery Period:**

-All items should be ready for delivery within 3 weeks from the date of purchase order receipt.

-Partial delivery: Applicable.

**Payment Terms:**

-100% of each invoice value will be payable via Bank Transfer within 45 days from the date of delivery and receiving the relevant invoice.

**Notes:**

-All parts should be Hot Dip Galvanized as per approved Offer and specifications

-Supplier should provide all required splice plates and accessories

-Any required Certification/Technical from the End User should be provided by the Supplier.





## Purchase Order

Order Number : 19000733 HD 03100

Revision Number :

All Invoices shall refer to this Purchase Order Number

The here-below clauses are an integral indivisible part of this Purchase Order

- This Purchase Order is made on the basis of our Terms and Conditions attached herewith.
- By accepting this Purchase Order, the Supplier is deemed to have read and fully informed himself of the Terms and Conditions, and agrees to be fully bound by them.
- Delivery of goods is only accepted upon the Supplier's presentation of duly signed delivery note that is accepted by the Buyer's representative.
- Order Acknowledgment : In the event, the Buyer does not receive the signed and stamped copy of the Purchase Order either through an e-mail or fax within 7 days from the date of this Purchase Order, the Supplier shall be deemed to have accepted the Purchase Order as sent by the Buyer.
- The Supplier must state Inquiry / purchase order / and item number in all correspondences.

### Logistics:

- All delivery dates mentioned herein are to be understood as the dates the goods are received at the delivery address or as per agreed INCOTERMS.
- The INCOTERMS mentioned above are the INCOTERMS 2010

Deliver To:	Invoice To:	Gross Amount :		
Veolia Water Technologies Egypt LLC Unit-8 , 2nd Floor ,Building-3 Down town complex , Road-90 5th Settlement Egypt	Veolia Water Technologies Egypt LLC Unit-8 , 2nd Floor ,Building-3 Down town complex , Road-90 5th Settlement Egypt hany.salah@veolia.com	615,327.00 EGP		
		Discount Amount		
		0.00 EGP		
Delivery Instruction:	Place of Delivery			
Delivery : Normal <input type="checkbox"/> Urgent <input type="checkbox"/> Mode of Shipment : Air <input type="checkbox"/> Sea <input type="checkbox"/> Land <input type="checkbox"/> Packing Type : Air Worthy <input type="checkbox"/> Sea Worthy <input type="checkbox"/> Land Transport <input type="checkbox"/>	Petrojet Entrance Of Suez , Cairo Road El Zaytiaia SUEZ	Sales Tax(%)	14.00	86,145.78
		Withholding Tax (%)	0.50	3,076.64
		Total Amount	698,396.15 EGP	
Payment Terms or Conditions				
45 Days from invoice Date				
Procurement Signature	Authorised Signature	Supplier Signature		





Buyer Name MOHAMED BOSSILA  
Buyer Email Address mohamed.bossila@veolia.com  
Buyer Phone No 0020 1029159777  
Buyer Fax No

## Purchase Order

Order Number 20000189 HD 03100 Dated 31/03/2020  
All invoices shall refer to this Purchase Order Number

### Supplier Reference

Attention To SOFTEX ELECTRICAL SYSTEMS  
Supplier Code 585913  
Supplier Phone 00202 24529717  
Supplier Fax  
Supplier Email  
Supplier Tax ID 202-981-096

SOFTEX ELECTRICAL SYSTEMS  
ش والي كوبري القبة 18 -  
شقة 4 - الدور الأول  
CAIRO  
Egypt

### Order Reference

Project No 3100216321  
Project Name AL RAHMANEYA WTP  
Supplier Quote/Ref SES-2003-016, rev#01

Issue Date 11/05/2020  
Related Service Order

Line No	VWS Item Number	Qty	UOM	Delivery Date	Unit Cost (EGP)	Total Net Price In (EGP)
1.000	R163PR120010 Item Description : Cable Tray 100X100 Thick. 2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	444.000	Each	11/06/2020		
2.000	R163PR120010 Item Description : Cable Tray 200X100 Thick. 2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	453.000	Each	11/06/2020		
3.000	R163PR120010 Item Description : Cable Tray 300X100 Thick. 2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	276.000	Each	11/06/2020		
4.000	R163PR120010 Item Description : Cable Tray 400X100 Thick. 2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	18.000	Each	11/06/2020		
5.000	R163PR120010 Item Description : Cable Tray 500X100 Thick. 2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	123.000	Each	11/06/2020		
6.000	R163PR120010 Item Description : Cable Tray 600X100 Thick. 2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	315.000	Each	11/06/2020		
7.000	R163PR120010 Item Description : Cable Tray 700X100 Thick. 2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	150.000	Each	11/06/2020		
8.000	R163PR120010 Item Description : Cable Tray 750X100 Thick. 2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	66.000	Each	11/06/2020		
9.000	R163PR120010 Item Description : Cable Tray 800X100 Thick. 2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	33.000	Each	11/06/2020		

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www.veoliawatertechnologies.com







## Purchase Order

Buyer Name MOHAMED BOSSILA  
 Buyer Email Address mohamed.bossila@veolia.com  
 Buyer Phone No 0020 1029159777  
 Buyer Fax No

Order Number 20000189 HD 03100 Dated 31/03/2020  
 All invoices shall refer to this Purchase Order Number

Line No	VWS Item Number	Qty	UOM	Delivery Date	Unit Cost (EGP)	Total Net Price In (EGP)
10.000	R163PR120010 Item Description : Cable Tray 900X100 Thick. 2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	12.000	Each	11/06/2020		
11.000	R163PR120010 Item Description : Cable ladder 600X100 Thick.2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	12.000	Each	11/06/2020		
12.000	R163PR120010 Item Description : Cable ladder 700X100 Thick.2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	24.000	Each	11/06/2020		
13.000	R163PR120010 Item Description : Cable ladder 900X100 Thick.2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	39.000	Each	11/06/2020		
14.000	R163PR120010 Item Description : Cable ladder 1000X100Thick.2mm C/W Cover Thickness 1.5 mm Manufacturer Item Code R163PR120010	213.000	Each	11/06/2020		

#### Technical Specifications:

-All Specifications are as per supplier's approved offer "SES-2003-016, rev#01" dated 31-Mar-20.

#### Delivery Terms:

-Ex-Works Seller's premises.

#### Delivery Period:

-Priority Items identified in the enclosed sheet should be delivered within 2-3 weeks from the date of Purchase Order receipt.

-The remaining items should be ready for delivery within 4-5 weeks from the date of Purchase Order receipt.

-Partial Delivery applicable

#### Payment Terms:

-100% of each invoice value will be paid via Bank Transfer to seller's account after 45 days from the date of delivery and invoice.

-Partial payment against partial delivery is applicable.

#### Notes:

-All Parts should be Hot Dip Galvanized as per approved offer and specifications.

-Supplier should provide all required splices.

- The here-below clauses are an integral indivisible part of this Purchase Order

- This Purchase Order is made on the basis of our Terms and Conditions attached herewith.

- By accepting this Purchase Order, the Supplier is deemed to have read and fully informed himself of the Terms and Conditions, and agrees to be fully bound by them.

- Delivery of goods is only accepted upon the Supplier's presentation of duly signed delivery note that is accepted by the Buyer's representative.

- Order Acknowledgment : In the event, the Buyer does not receive the signed and stamped copy of the Purchase Order either through an e-mail or fax within 7 days from the date of this Purchase Order, the Supplier shall be deemed to have accepted the Purchase Order as sent by the Buyer. The Supplier must state inquiry / purchase order / and item number in all correspondences.

#### Logistics:

- All delivery dates mentioned herein are to be understood as the dates the goods are received at the delivery address or as per agreed

#### Incoterms:

- The INCOTERMS mentioned above are the INCOTERMS 2010

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# **5-Company Registration Documents**



وزارة التموين والتجارة الداخلية  
جهاز تنمية التجارة الداخلية  
الإدارة المركزية للسجل التجارى  
مكتب سجل تجارى استثمار القاهرة

مستخرج من السجل التجارى رقم: ٣٥٧٦٦٩ (أفراد-محل رئيسى-الفروع القائمة ٢ من اجمالي ٢)  
الرقم القومى للمنشأة: ٢٠٢٩٨١٠٩٦ الرقم الموحد للسجل التجارى (٥٧٦٦٩ ٠٩٠٠٣ ١٠٥٣٠)  
أى كشط أو شطب أو تعديل أو تحشير أو أختام بخلاف شعار الجمهورية يلغى هذه الوثيقة

صفحة رقم ١ من ٣  
٠٣٠٩١٥-٠١-٢٠٢٤ ١٤:٥٧:٣٦  
٠٣٠٩١٥-٠١-٢٠٢٤ ١٤:٥٧:٣٦

(١) رقم الإيداع (ب) تاريخ الإيداع (ج) رقم القيد فى السجل التجارى (٢) رقم ايداع طلب التجديد (ب) تاريخ ايداع طلب التجديد (ج) تاريخ التجديد	١- الاسم التجارى (أ) السمة التجارية ٢- الاسم الذى يشار به للتاجر تجارته ٣- نوع الشركة (ب) عنوان الشركة أو اسمها أو اسم الجمعية التعاونية ٣- السمة التجارية (ج) السمة التجارية للفرع	(١) اسم التاجر ولقبه وتاريخ ومحل ميلاده وجنسيته (ب) أسماء وألقاب الشركاء المسئولين بالتضامن فى شركات التضامن أو التوصية البسيطة وتاريخ ومحل الميلاد لكل منهم وجنسيته (ج) أسماء وألقاب الشركاء أو غيرهم المتوطئ بهم إدارة الشركة ومن لهم حق التوقيع باسمها وصلة كل منهم وتاريخ ومحل ميلاده وجنسيته ومدى سلطتهم فى الإدارة والتوقيع (د) أسماء وألقاب أعضاء مجلس الإدارة فى شركات المساهمة أو الجمعية التعاونية ووكلائها المديرين وصلة كل منهم وتاريخ ومحل ميلاده وجنسيته ومدى سلطتهم فى الإدارة والتوقيع (هـ) اسم ولقب مدير الفرع الرئيسى أو الوكالة العامة فى جمهورية مصر العربية وتاريخ ومحل ميلاده وجنسيته إذا كان المركز العام للشركة فى الخارج (٣)	(١) نوع التجارة أو (ب) الغرض من تأسيس الشركة أو الجمعية التعاونية	١- التاريخ الذى بدأ فيه التاجر أعماله (أ) التجارى بجمهورية مصر العربية ٢- تاريخ الترخيص بمزاولة التجارة (ب) تاريخ ابتداء الشركة وتاريخ انتهائها وتاريخ الترخيص بمزاولة التجارة أو موافقة هيئة الاستثمار (ج) تاريخ افتتاح الفرع أو الوكالة	(أ) عنوان المحل الرئيسى (ب) عنوان المركز العام للشركة أو الجمعية التعاونية (ج) رقم قيد المحل الرئيسى أو المركز العام (فى حالة قيد الفرع)	(أ) عنوان الفرع والوكالات التابعة للمحل الرئيسى أو المركز العام (ب) عنوان الفرع أو الوكالة (فى حالة قيد الفرع)
(١) أ - ٥٧١- ب - ٢٠٠٤/٠١/١٢ ج - ٣٥٧٦٦٩ (٢) أ - ١٥٤٨- ب - ٢٠١٠/٠١/٢٤ أ - ٣٧٧- ب - ٢٠١٦/٠١/٠٥ أ - ٤٣٩٩٦- ب - ٢٠١٩/١٠/٢٠- أ - ٤٨٤٣- ب - ٢٠٢٤/٠١/١٥- سارى حتى ٢٠٢٩/٠١/١١ ** (نهاية البيانات) **	قانون ٨ لسنة ٩٧ وقانون ٩٥ لسنة ٩٢ (١) ١- سوفتكس للبرمجيات ماجد احمد رضا حسن ٣- ماجد احمد رضا حسن ١١١ [٣] ٢٢٦٦٨ ٢٠١٨/٠٥/٢١ ١- تعديل الاسم التجارى ليصبح " سوفتكس لصاحبها ماجد احمد رضا حسن (أ) أفراد استثمار	(أ) ماجد احمد رضا حسن مواليد ١٩٨١/١٠/٢١ مصر- القاهرة رقم قومى ٢٨١١٠٢١٠١٠٠٦٩١ تاجر- كامل الاهلية . ١١١ ***** (نهاية البيانات) *****	(أ) تصميم و انتاج برامج الحاسبات و تطبيقاتها المختلفة بأنواعها و تشغيلها و التدريب عليها و على المنشأة الحصول على كافة التراخيص اللازمة لمباشرة نشاطها. ١١١ [٥] ١٧٦٤٣ ٢٠٢٠/٠٦/١٧ ** نشاط المنشأة هو : ١ تصميم وتطوير الإلكترونيات وإنشاء مراكز البيانات وأنشطة التعهيد وتطوير البرمجيات والتعليم التكنولوجى ٢ تصميم وإنتاج البرامج : أ أعمال التوصيف والتحليل والتصميم للبرمجيات	١- تاريخ الافتتاح ٢٠٠٤/٠١/٠٤ ٢- تاريخ الترخيص ٢٠٠٤/٠١/١٢ ***** (نهاية البيانات) *****	(أ) القاهرة ١٨ شقة بالعقار رقم ١٨ والى كوبرى القبة شقة ٤ الدور الاول . ١١١ *** (نهاية البيانات) ***	(أ) [٣] ٢٢٦٦٨ ٢٠١٨/٠٥/٢١ القاهرة افتتاح فرع ادارى العقار رقم ٢٢٢ أ - التسعين الشمالى - جنوب الأكاديمية - القاهرة الجديدة - شقة رقم ٣ بالدور الاول - ١١١ [٦] ٣٩٢٤ ٢٠٢٤/٠١/١١ القاهرة مدينة نصر افتتاح فرع / العقار رقم ٣ الدور الثالث - شارع نجيب



إسم طالب المستخرج

وقد سددت الرسوم (خلاف مقابل التميز) وقدرها : ١٠٥ جنيه (عدد ١ نسخه) بموجب قسيمة . مجموعة . فى ٢٠٢٤/٠١/١٥

إصدار مكتب القاهرة المميز تحريراً فى ٢٠٢٤/٠١/١٥ مسنول الطباعة ولاء محمد احمد محمد عمر

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الإدارة المركزية للسجل التجاري  
مكتب سجل تجارى استثمار القاهرة

مستخرج من السجل التجارى رقم: ٣٥٧٦٦٩ (أفراد-محل رئيسى-الفروع القائمة ٢ من اجمالي ٢)  
الرقم القومى للمنشأة: ٢٠٢٩٨١٠٩٦ الرقم الموحد للسجل التجارى (٥٧٦٦٩ ٠٩٠٠٣ ١٠٥٣٠)  
أى كشط أو شطب أو تعديل أو تحشير أو اختتام بخلاف شعار الجمهورية يلغى هذه الوثيقة

صفحة

٣٦:٥٧ ١٤:٢٤ ٢٠٢٤-٠١



تابع رقم ٤

وقواعد البيانات والتطبيقات بمختلف أنواعها ب أعمال تصميم وإنتاج البرامج والتطبيقات وإنشاء قواعد البيانات ونظم المعلومات الإلكترونية وتشغيلها والتدريب عليها ج إنتاج المحتوى الإلكتروني بصوره المختلفة من صوت وصورة وبيانات د إدخال البيانات على الحاسبات وبالوسائل الإلكترونية ٣ تصميم وإنتاج معدات الحاسبات الآلية : أ أعمال التوصيف والتصميم والتطوير لنظم الحاسبات بمختلف أنواعها ب إنتاج وتطوير النظم المدمجة وتشغيلها والتدريب عليها ٤ تصميم وتنفيذ وإدارة مشروعات البنية الأساسية للمعلومات والاتصالات : أ أعمال التوصيف والتصميم لشبكات ونقل وتداول البيانات ب تنفيذ وإدارة شبكات نقل وتداول البيانات ٥ المشروعات التي تستمر في تطوير حقوق الملكية الفكرية بما في ذلك براءات الاختراع والنماذج والرسوم الصناعية ٦ إقامة شبكات نقل الصوت والصورة والبيانات وتقديم خدمات القيمة المضافة بعد الحصول على ترخيص من الجهات المعنية ٧ إقامة أو إدارة وتشغيل وصيانة محطات وشبكات الاتصالات السلكية واللاسلكية والأقمار الصناعية بعد الحصول على ترخيص من الجهات المعنية ولا يشمل ذلك الإذاعة والتلفزيون ٨ الأنشطة المتعلقة بتحويل المحتوى التقليدي من صوت وصورة وبيانات إلى محتوى رقمي بما في ذلك رقمنة المحتوى العلمى والثقافى والفنى ٩ توريد وتركيب حوامل وسلاسل الكابلات (ماركة سوفتكس) ١٠ توريد وتركيب لوحات الجهد المنخفض (ماركة شنايدر) ١١ الاستيراد والتصدير مع مراعاة أحكام القوانين واللوائح والقرارات الصارية وعلى المنشأة الحصول على كافة التراخيص اللازمة لمباشرة نشاطها وبشرط أفراد حسابات مالية مستقلة ومركز مالى مستقل لكل نشاط على حده. ١١١

\*\*\*\*\* (نهاية البيانات) \*\*\*\*\*

تابع رقم ٧

محفوظ - مدينة نصر اول - القاهرة ١١١

\*\*\*\*\* (نهاية البيانات) \*\*\*\*\*



مدير المكتب

إسم طالب المستخرج

وقد سددت الرسوم (خلاف مقابل التميز) وقدرها : ١٠٥ جنيه (عدد ١ نسخه) بموجب قسيمة . مجموعة . فى ٢٠٢٤/٠١/١٥

إصدار مكتب القاهرة المميز تحريراً فى ٢٠٢٤/٠١/١٥ مسنول الطباعة ولاء محمد احمد محمد عمر

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سوفتكس

ماجد احمد رضا حسن اسماعيل

١٨ ش والي من كوبري القبه الزيتون

الزيتون اول/٠٠٠ فردي

١٢١-٥-٠٠٠٢٧-٦٠٥-٠١-٠٦

٢٠١٨/٠٢/٠٦ ٢٠٢٣/٠٢/٠٥ ٢٠٢٢-٩٨١-٠٩٦



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نموذج (٣) ض.ق.م

# شهادة تسجيل

## الضريبة على القيمة المضافة

هذه شهادة من بيان : ماجد احمد رضا حسن - سوفتكس للبرمجيات

العنوان : ١٨ ش والى شقة ٤ الدور الأول كوبرى القبة

قد تم تسجيله وفقاً لنصوص قانون الضريبة على القيمة المضافة

تحت رقم : ٠٩٦ - ٩٨١ - ٢٠٢

وذلك اعتباراً من : ٢٠١٦-٠٩-٠٨

تحريراً فى : ٢٠١٦-١١-١٦

مدير إدارة

نارسط



رئيس الأمورية  
١١٨٨٦  
سمحة إمام الزكي