



**EMAAR MISR FOR DEVELOPMENT
PURCHASE ORDER**

H/Q at Emaar Misr Sales Center
PO Box 229 Mokattam
Cairo, EG

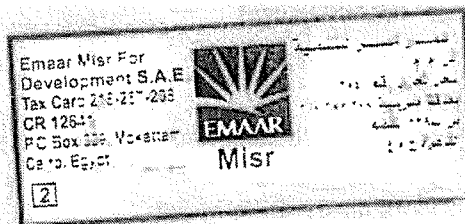
Phone : +202 2 2503 2000
Fax : +202 2 2503 2020

Supplier Name : Energys Cables		Standard Order No : 12846	Revision No : 0			
Address : 6 abd El Salam Zakr st. Korba cairo, EG		Date : 31-JAN-19				
		Revision Date :				
		Delivery Date : 2 Months from Advanced Payment.				
Contact Name : Mr. Mohamed El Nahas		Description : MIV - PK#134 (Parcel No. 13) - MV & LV Cables (Buildings and Infrastructure)				
Telephone : 01099595889		Warranty Period : 1 Year				
Bill To : Emaar Misr for Development Accounts Payable, Finance Department, P.O. Box 229, Mokattam Cairo, EG		Ship To : Emaar Misr for Development Location for Emaar Misr, P.O. Box 229, Mokattam Cairo, EG				
Payment Terms: 25% Advanced Payment against LG and 75% After Delivery and Inspection.						
Note to Supplier :						
This is subject to Emaar Misr Terms and Condition of Purchase Order of Goods and Services (as below)						
Sr.No	Pr No	Qty.	UOM	Description of Goods/Services	Unit Rate	Amount
1	10327	1	Lump Sum	Supply & Deliver MV & LV Cables For Infrastructure For MIV - PK# 134 Parcel 13 as per the attached offer and Consultant/ Engineer approval.		
2	10327	1	Lump Sum	Supply & Deliver - LV Cables For Buildings For MIV - PK# 134 Parcel 13 as per the attached offer and Consultant/ Engineer approval.		
Currency : EGP					TOTAL ORDER VALUE:	
					Discount Value	
					Net Value	
In Words :						
Please quote the above order number on all delivery notes and invoices pertaining to this purchase order						
Approved on behalf of Emaar Misr for Development						

Note All Goods / Services supplied are subject to inspection and acceptance.
All terms & conditions mentioned overleaf are an integral part of this purchase order.

Authorized by:

Wahid Hany
06 Feb 2019



Hala
6 Feb 19

Commercial Offer # 25 - 2019)

Date 27/01/2019

Our Ref. : CR 6-2019	Subject Mivida- PK#134 infrastructure rev#1
From: Energya Engineering & Distribution	To: EMAAR
Contact: Mr. Mohamed EL Nahas	Contact: Eng: Mohamed Ali
Tel & Fax: 010 9959 5889 - 24152371/224152578/9- Fax: 24152470	Tel & Fax:
Address: 97 Omer Ebn El khattab 9th floor - 7 Buil. sq.- Cairo , Egypt	Address:
E-Mail: mohamed.elnahas@energycables.com	E-Mail:

We would like to thank you for your interest in Energya Engineering & Distribution product range, and we are honored to submit best quotation concerning :

Infrastructure							
Ser.	Size	Specs	Voltage	Qty	Unit	Unit Price	Total Price
1	3x240mm ²	AL/XLPE/STA/PVC	18/30KV	511	M		
2	4x6mm ²	CU/PVC/PVC	0.6/1KV	20	M		
3	4x16mm ²	AL/XLPE/STA/PVC	0.6/1 KV	108	M		
4	1x6mm ²	CU/PVC	450/750V	1	coil		
5	1x10mm ²	CU/PVC	450/750V	1	coil		
6	3x240+120mm ²	AL/XLPE/STA/PVC	0.6/1 KV	3,812	M		
7	3x185+95mm ²	AL/XLPE/STA/PVC	0.6/1 KV	2,555	M		
Total							
Building							
Ser.	Size	Specs	Voltage	Qty	Unit	Unit Price	Total Price
1	3x50+25mm ²	CU/PVC/PVC	0.6/1 KV	1,052	M		
2	1x25mm ²	CU/PVC	450/750V	11	coil		
Total							
Grand Total							

Commercial Terms & Conditions :

Offer Validity	5 days from offer date
Currency	Values Offered In EGP
Sales Tax	Values Offered EXcluding VAT
Delivery Period	2 Months , from receiving your confirmed order & down payment
Delivery Location	At Mivida site
Payment	25% Advance Payment + 75% On delivery After Delivery As agreed +/-3% only
Packing & Length	Energya Power Cables standard packing on returnable wooden drums with accepted length tolerance $\pm 5\%$
Testing	Energya Power Cables Testing Labs & We Welcome Client Inspection Energya Should notify EMAar by email before testing.

We wish our offered prices & terms will satisfy your requirements ... For any further clarification, please do not hesitate to contact us at your convenience

Hossam EL Sherbini
Sales Manager

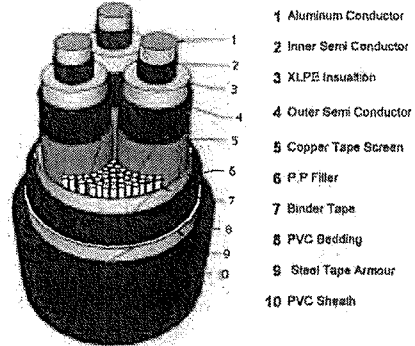
Mr. Mohamed EL Nahas
Section Head

Technical Offer For Cables Generally to IEC 60502-2

Multi core cable 18 / 30 (36) KV with compacted circular stranded Aluminum conductors , Extruded by semi conducting layer as conductor screen, XLPE Insulated, Extruded by semi conducting layer as insulation screen (Bonded type) Screened by Overlapped Copper tape, Cores are assembled together using non-hygroscopic filler, Banded with polypropylene tape Extruded by poly vinyl chloride (PVC) as an inner covering And Armoured with Double Steel Tapes and extruded by colored poly vinyl chloride (PVC) as an outer sheath

General Information:

Short Description: AL/XLPE/STA/PVC
Voltage: 18 / 30 (36) KV
Conductor: Stranded Aluminum Conductor according to IEC 60228 Class 2
Inner Semi Conductor: Extruded Inner Semi Conductor (Bonded Type)
Insulation / Temperature: Cross Linked Polyethylene according to IEC 60502-2 / 90°C
Outer Semi Conductor: Extruded Outer Semi Conductor (Bonded Type)
Screening Type : Overlapped Copper Tape
Bedding Before Armouring: PVC / Black
Armouring: Double Steel Tapes
Sheathing Material / Color: PVC / Black



Cable Marking:

ENERGYA POWER CABLES-ELSEWEDY HELAL No. of Cores x Size 18/30 KV AL/XLPE/STA/PVC Manufacturing Year

Core Identification:

- Multi Cores
Red , Yellow, Blue Narrow Tapes
- Binder tapes may be used when necessary

Packing:

-Cable shall be supplied in lengths as indicated in technical schedule on wooden or steel reels up to the manufacturer.
-Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage.
-Each reel shall be marked with type, size and length of Cable, and weight.
-This information shall be written on metallic tag nailed properly to the flange.

Electrical Data:

Maximum conductor operating temperature: 90 °C
Maximum screen operating temperature: 80 °C
Maximum conductor temperature during S.C: 250 °C
Laying conditions at trefoli formation are as below:
-Soil thermal resistivity 120 °C.Cm/Watt
-Burial depth 0.5 m
-Ground temperature 35 °C
-Air temperature 40 °C
-Frequency 50 Hz



Specifications:

No. of Cores	Size (mm ²)	Approximate Outer Diameter (mm)	Approximate Cable Weight (Kg/Km)	Minimum Bending Radius (mm)	Cutting length (MT)	Packing Type	Flange Diameter (mm)	Drum outer Width (mm)	Screen C.S.A (mm ²)
3 X 240		98.5	12057	1495	400	wooden drum	2700	1612	25

Electrical Data:

Size (MM ²)	Maximum Conductor DC Resistance at 20 °C (Ω/Km)	Conductor AC Resistance at Max. Operating Temp. and 50Hz (Ω/Km)	Capacitance (mF/Km)	Charging Current (A/Km)	Dielectric Losses (W/Km)	Reactance at 50 Hz (ohm/km)	Conductor S.C.C for 1 sec (KA)	Screen S.C.C for 1 sec (KA)	Current Rating	
									Laid in ground (A)	Laid in free air (A)
3 X 240	0.125	0.151	0.284	1.337	96.24	0.109	22.408	3.7	248	389

-The above data is approximate and subjected to manufacturing tolerance.

Prepared By
Ahmed Adel
Technical Design Engineer

Approved By
Mahmoud Hamdeen
Senior Technical Design Engineer

Technical Offer For Cables Generally to IEC 60502-1

Stranded Plain Aluminum Conductors ,Insulated with XLPE Compound Suitable For Operating Temperature 90C ,Armoured by Double Steel Tapes And Sheathed By PVC Compound

General Information:

- Short Description	AL/XLPE/STA/PVC
- Voltage:	0.6 / 1 (1.2) Kv
- Conductor	Stranded Plain Circular Compacted Aluminum Conductor according to IEC 60228 Class 2
- Insulation / Temperature	Cross Linked Polyethylene according to IEC 60502-1 / 90°C
Bedding Before Armouring:	PVC / Black
- Armouring	Double Steel Tapes
- Sheathing Material / Color	PVC / Black

Cable Marking:

ENERGYA POWER CABLES-ELSEWEDY HELAL No. of cores x size 0.6/1 Kv AL/XLPE/STA/PVC Manufacturing Year

Printing Type:

Ink Jet Or Embossed

Core Identification:

-4 Cores: Red , Yellow, Blue, Black
-Blinder tapes and fillers may be used when necessary

Packing:

- Cable shall be supplied in lengths as indicated in technical schedule on wooden reels
- Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage
- Each reel shall be marked with type, size and length of Cable, and weight.
- This information shall be written on metallic tag nailed properly to the flange.

Tests:

- Routine tests generally to IEC 60502-1 are performed on the cables and test certificate will be supplied on request.
- Electrical Resistance of the conductors shall be tested on IEC 60228.
- Voltage Test: No breakdown of The insulation shall occur, The applied Voltage and duration will be as per IEC 60502-1.
- Hot Set Test for XLPE insulation according to IEC 60502-1

Electrical Data:

Maximum conductor operating temperature:	90	°C
Maximum conductor temperature during S.C:	250	°C
Laying conditions at trefoil formation are as below:		
-Soil thermal resistivity	120	°C.Cm/Watt
-Burial depth	0.5	m
-Ground temperature	35	°C
-Air temperature	40	°C
-Frequency	50	Hz
-Cables are protected from direct solar radiation and no other thermal sources in the neighborhood.		

Specifications:

No. of Cores	Size (mm ²)	Approximate Outer Diameter (mm)	Approximate Cable Weight (Kg/Km)	Minimum Bending Radius (mm)	Cutting Length (MT) ± 5 %	Flange/Outer width	Maximum Conductor DC Resistance at 20 °C (Ω/Km)	Conductor AC Resistance at Max. Operating Temp. and 50Hz (Ω/Km)	Conductor S.C.C for 1 sec (KA)	Current Carrying Capacity		
										Laid in Ground	In duct	Free Air
4X16	21.8	680	330	1000	1400 / 1088	1.91	2.435	1.51	67	52	62	

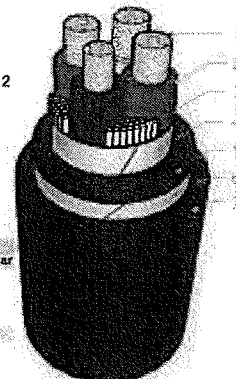
-The above data is approximate and subjected to manufacturing tolerance.

Prepared By

Mahmoud Hamdeen
Technical Design Engineer.

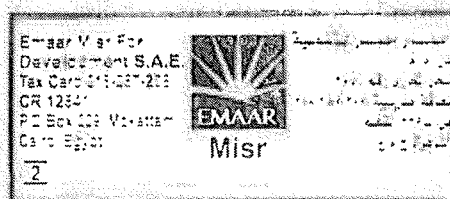
Approved By

Mohamed Abdel Sattar
Technical Manager



Drawing Description

- 1- Aluminum Conductors
- 2- XLPE Insulation
- 3- P.P. Filler (optional)
- 4- P.P. Tape (optional)
- 5- PVC Bedding
- 6- Steel Tape Armour
- 7- PVC Sheathing



Technical Offer For Cables Generally to IEC 60227

Annealed Stranded Plain Copper Conductors ,Insulated with PVC Compound suitable for operating temperature 70C

General Information:

- Short Description: CU/PVC
- Voltage: 450/750 V
- Conductor: Stranded Plain Copper circular Un Compacted Conductor according to IEC 60228 Class 2
- Insulation / Temperature: PVC Insulation / 70°C

Cable Marking:

ENERGYA POWER CABLES (SWEDEX) - ELSEWEDY HELAL Size mm2 450/750 V CU/PVC

Printing Type:

Ink Jet

Core Identification:

- Single Core: AS PER AS CUSTOMER REQUEST

Packing:

- Cable shall be supplied in lengths as indicated in technical schedule on Air Coils .

Tests:

- Routine tests generally to IEC 60227 are performed on the cables and test certificate will be supplied on request.
- Electrical Resistance of the conductors shall be tested on IEC 60228.
- Voltage Test: No breakdown of The insulation shall occur, The applied Voltage and duration will be as per IEC 60227.

Electrical Data:

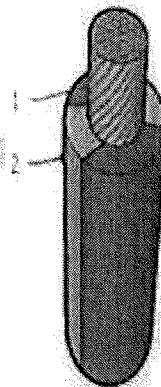
Maximum conductor operating temperature:
Maximum conductor temperature during S.C:
Laying conditions at trefoil formation are as below:

-Soil thermal resistivity	70	°C
-Burial depth	180	°C
-Ground temperature	120	°C/m/Watt
-Air temperature	0.5	m
-Frequency	25	°C
	30	°C
	50	Hz

-Cables are protected from direct solar radiation and no other thermal sources in the neighborhood.

Drawing Description

- 1- Copper Conductor
- 2- PVC Insulation



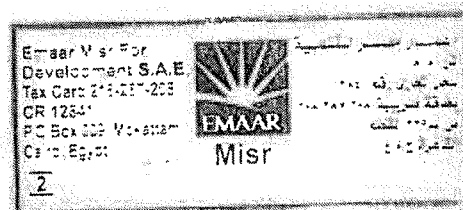
Specifications:

No. of	Size	Approximate Outer	Approximate Cable Weight	Minimum Bending	Cutting Length (MT)	Packing Type	Maximum Conductor DC	Conductor AC Resistance at Max.	Conductor S.C.C for	Current Carrying Capacity	
Cores	(mm2)	Diameter (mm)	(Kg/Km)	Radius (mm)			Resistance at 20 °C (Ω/Km)	Operating Temp. and 50Hz (Ω/Km)	1 sec (KA)	Free Air	In Pipes
1X6		4.7	75	75	100	Air Coils	3.08	3.685	0.69	46	33

-The above data is approximate and subjected to manufacturing tolerance.

Prepared By
Mohamed Adel
Technical Design Engineer

Approved By
Mahmoud Hamdeen
Senior Design Engineer



Technical Offer For Cables Generally to IEC 60227

Annealed Stranded Plain Copper Conductors ,Insulated with PVC Compound suitable for operating temperature 70C

General Information:

- Short Description: CU/PVC
- Voltage: 450/750 V
- Conductor: Stranded Plain Copper circular Compacted Conductor according to IEC 60228 Class 2
- Insulation / Temperature: PVC Insulation / 70°C

Cable Marking:

ENERGYA POWER CABLES (SWEDEX) - ELSEWEDY HELAL Size mm2 450/750 V CU/PVC

Printing Type:

Ink Jet

Core Identification:

- Single Core AS PER AS CUSTOMER REQUEST

Packing:

- Cable shall be supplied in lengths as indicated in technical schedule on Air Coils

Tests:

- Routine tests generally to IEC 60227 are performed on the cables and test certificate will be supplied on request.
- Electrical Resistance of the conductors shall be tested on IEC 60228
- Voltage Test: No breakdown of The insulation shall occur. The applied Voltage and duration will be as per IEC 60227

Electrical Data:

- Maximum conductor operating temperature: 70 °C
- Maximum conductor temperature during S.C: 160 °C
- Laying conditions at trefoil formation are as below:

- Soil thermal resistivity 120 °C Cm/Watt
- Burial depth 0.5 m
- Ground temperature 25 °C
- Air temperature 30 °C
- Frequency 50 Hz

-Cables are protected from direct solar radiation and no other thermal sources in the neighborhood.



Drawing Description:

- 1- Copper Conductor
- 2- PVC Insulation

Specifications:

No. of	Size	Approximate Outer	Approximate Cable Weight	Minimum Bending	Cutting Length (MT)	Packing Type	Maximum Conductor DC	Conductor AC Resistance at Max.	Conductor S.C.C for	Current Carrying Capacity	
Cores	(mm2)	Diameter (mm)	(Kg/Km)	Radius (mm)			Resistance at 20 °C (Ω/Km)	Operating Temp. and 50Hz (Ω/Km)	1 sec (KA)	Free Air	In Pipes
1X10	5.7		115	90	100	Air Coils	1.63	2.19	1.15	66	46

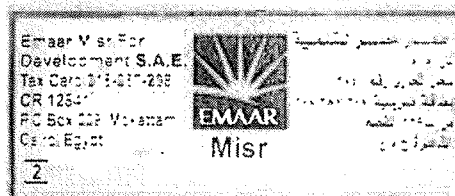
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Prepared By

Mohamed Adel
Technical Design Engineer

Approved By

Mahmoud Hamdeen
Senior Design Engineer

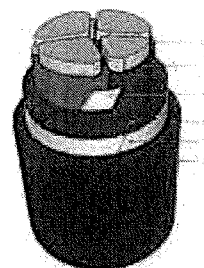


Technical Offer For Cables Generally to IEC 60502-1

Stranded Plain Aluminum Conductors ,Insulated with XLPE Compound Suitable For Operating Temperature 90C ,Armoured by Double Steel Tapes And Sheathed By PVC Compound

General Information:

- Short Description:	AL/XLPE/STA/PVC
- Voltage:	0.6 / 1 (12) Kv
- Conductor:	Stranded Plain Aluminium Sector Shape Conductor according to IEC 60228 Class 2
- Insulation / Temperature:	Cross Linked Polyethylene according to IEC 60502-1 / 90°C
- Bedding Before Armouring:	PVC / Black
- Armouring:	Double Steel Tapes
- Sheathing Material / Color:	PVC / Black



Drawing Description

- 1- Aluminum Conductors
- 2- XLPE Insulation
- 3- P.P Tape
- 4- PVC Bedding
- 5- Steel Tape Armour
- 6- PVC Sheathing

Cable Marking:

ENERGYA POWER CABLES-ELSEWEDY HELAL No. of cores x size 0.6/1 Kv AL/XLPE/STA/PVC Manufacturing Year

Printing Type:

Ink Jet Or Embossed

Core Identification:

- 4 Cores: Red , Yellow, Blue, Black
- Binder tapes and fillers may be used when necessary

Packing:

- Cable shall be supplied in lengths as indicated in technical schedule on wooden reels.
- Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage.
- Each reel shall be marked with type, size and length of Cable, and weight.
- This information shall be written on metallic tag nailed properly to the flange.

Tests:

- Routine tests generally to IEC 60502-1 are performed on the cables and test certificate will be supplied on request.
- Electrical Resistance of the conductors shall be tested on IEC 60228.
- Voltage Test: No breakdown of The insulation shall occur, The applied Voltage and duration will be as per IEC 60502-1.

Electrical Data:

Maximum conductor operating temperature:	90	°C
Maximum conductor temperature during S.C:	250	°C
Laying conditions at trefoil formation are as below:		
- Soil thermal resistivity	120	°C.Cm/Watt
- Burial depth	0.5	m
- Ground temperature	25	°C
- Air temperature	30	°C
- Frequency	50	Hz
- Cables are protected from direct solar radiation and no other thermal sources in the neighborhood.		

Specifications:

No. of	Size	Approximate Outer	Approximate Cable Weight	Minimum Bending	Cutting Length (MT)	Flange/Outer width	Maximum Conductor DC Resistance at 20 °C (Ω/Km)	Conductor AC Resistance at Max. Operating Temp. and 50Hz (Ω/Km)	Conductor S.C.C for 1 sec (KA)	Current Carrying Capacity		
Cores	(mm ²)	Diameter (mm)	(Kg/Km)	Radius (mm)	± 10 %					Liad in Ground	In duct	Free Air
3X185+95		49.7	3795	750	1000	2400 / 1312	0.184 / 0.32	0.208 / 0.408	17.48	316	262	347
3X240+120		55.8	4720	835	1000	2800 / 1582	0.125 / 0.253	0.159 / 0.323	22.88	371	305	416

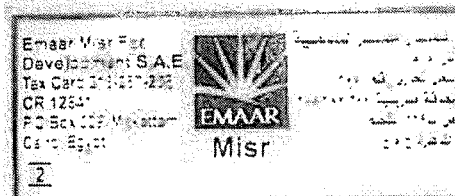
- The above data is approximate and subjected to manufacturing tolerance.

Prepared By

Mohamed Adel
Technical Design Engineer

Approved By

Mahmoud Hamdeen
Senior Design Engineer

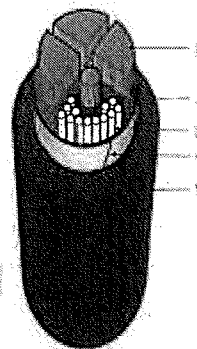


Technical Offer For Cables Generally to IEC 60502-1

Annealed Stranded Plain Copper Conductors ,Insulated with PVC Compound And Sheathed By PVC Compound

General Information:

- Short Description: Cu/PVC/PVC
- Voltage: 0.6 / 1 (1.2) Kv
- Conductor: Stranded Plain Copper Conductor Circular compacted For Sizes < 50 mm² and Sector Shape For Sizes ≥ 50mm² Class 2 according to IEC 60228
- Insulation : PVC Insulation
- Sheathing Material / Color: PVC / Black



Cable Marking:

ENERGYA POWER CABLES-ELSEWEDY HELAL No. of cores x size 0.6/1 Kv Cu/PVC/PVC Manufacturing Year

Printing Type:

Ink Jet Or Embossed

Core Identification:

- 4 Cores: Red , Yellow, Blue, Black
- Binder tapes may be used when necessary

Packing:

- Cable shall be supplied in lengths as indicated in technical schedule on wooden or steel reels up to the manufacturer.
- Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage.
- Each reel shall be marked with type, size and length of Cable, and weight.
- This information shall be written on metallic tag nailed properly to the flange.

Drawing Description

- 1-Copper conductors
- 2-PVC Insulation
- 3-P.P Filler (Optional)
- 4- Binder Tape (Optional)
- 5- PVC Sheathing

Tests:

- Routine tests generally to IEC 60502-1 are performed on the cables and test certificate will be supplied on request.
- Electrical Resistance of the conductors shall be tested on IEC 60228.
- Voltage Test: No breakdown of The insulation shall occur, The applied Voltage and duration will be as per IEC 60502-1.

Electrical Data:

- Maximum conductor operating temperature: 70 °C
- Maximum conductor temperature during S.C: 160 °C
- Laying conditions at trefoil formation are as below:
- Soil thermal resistivity: 120 °C.Cm/Watt
- Burial depth: 0.5 m
- Ground temperature: 35 °C
- Air temperature: 40 °C
- Frequency: 50 Hz
- Cables are protected from direct solar radiation and no other thermal sources in the neighborhood.

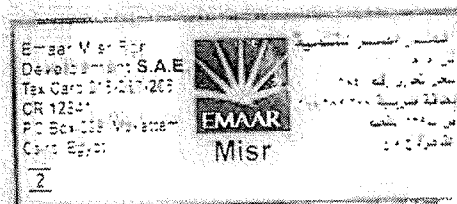
Specifications:

No. of	Size	Approximate Outer	Approximate Cable Weight	Minimum Bending	Cutting Length (MT)	Flange/Outer width	Maximum Conductor DC	Conductor AC Resistance at Max.	Conductor S.C.C for	Current Carrying Capacity		
Cores	(mm ²)	Diameter (mm)	(Kg/Km)	Radius (mm)	± 10 %		Resistance at 20 °C (Ω/Km)	Operating Temp. and 50Hz (Ω/Km)	1 sec (KA)	Liad in Ground	In duct	Free Air
3X50+25		28.7	2045	435	1000	1600 / 1088	0.367 / 0.727	0.463 / 0.87	5.75	164	130	159

-The above data is approximate and subjected to manufacturing tolerance.

Prepared by By
Mohamed Adel
Technical Design Engineer

Approved By
Mahmoud Hamdeen
Senior Design Engineer



Technical Offer For Cables Generally to IEC 60227

Annealed Stranded Plain Copper Conductors ,Insulated with PVC Compound suitable for operating temperature 70C

General Information:

Short Description: CUPVC
Voltage: 450/750 V
Conductor: Stranded Plain Circular Compacted Copper Conductor Class 2 according to IEC 60228
Insulation Temperature: PVC Insulation / 70°C
Cable Marking: ENERGYA POWER CABLES-ELSEWEDY HELAL No. of cores x size 450/750 V CUPVC Manufacturing Year
Printing Type: Ink Jet

Core Identification:

-Single Core: AS PER AS CUSTOMER REQUEST

Packing:

-Cable shall be supplied in lengths as indicated in technical schedule on wooden reels.
-Each reel shall be marked with type, size and length of Cable, and weight.
-This information shall be written on metallic tag nailed properly to the flange.

Tests:

-Routine tests generally to IEC 60227 are performed on the cables and test certificate will be supplied on request.
-Electrical Resistance of the conductors shall be tested on IEC 60228.
-Voltage Test: No breakdown of The insulation shall occur. The applied Voltage and duration will be as per IEC 60227.

Electrical Data:

Maximum conductor operating temperature:
Maximum conductor temperature during S.C:
Laying conditions at trefoil formation are as below:

- Soil thermal resistivity	120	°C.Cm/Watt
- Burial depth	0.5	m
- Ground temperature	25	°C
- Air temperature	30	°C
- Frequency	50	Hz

Cables are protected from direct solar radiation and no other thermal sources in the neighborhood.

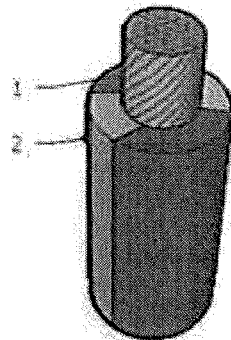
Specifications:

No. of	Size	Approximate Outer	Approximate Cable Weight	Minimum Bending	Cutting Length (MT)	Flange/Outer width	Maximum Conductor DC	Conductor AC Resistance at Max.	Conductor S.C.C for	Current Carrying Capacity	
Cores	(mm2)	Diameter (mm)	(Kg/Km)	Radius (mm)	± 5 %		Resistance at 20 °C (Ω/Km)	Operating Temp. and 50Hz (Ω/Km)	1 sec (KA)	Free Air	In Pipes
	1X25	8.2	265	125	100	800 / 760	0.727	0.87	2.88	118	79

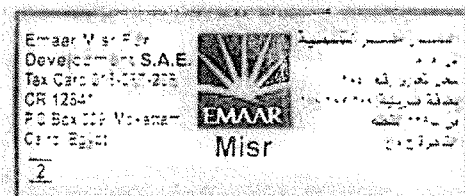
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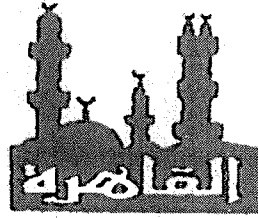
Prepared By
Mohamed Adel
Technical Design Engineer

Approved By
Mahmoud Hamdoen
Senior Design Engineer



Drawing Description:
1- Copper Conductor
2- PVC Insulation





أمر توريد
١٩٠٥٨٠٠٣-٤

السادة / شركة انيرجيا لكابلات الطاقة

تحية طيبة وبعد ...
إيماءا إلى أعمال كهرباء الحرس الجمهورى يرجى التكرم بتوريد المهمات التالية طبقا للآتي :

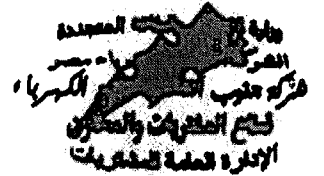
رقم البند	التوصيف	العدد	الكمية	سعر البند	الإجمالي
1	كابل ثرمو بلاست 2*3 مم2 نحلس لىصر "Color Coded" CU/PVC/PVC(Yal-Black-Y/G)Energy Power (0.6/1Kv)Cable -Elsowedy	مط	3,274		
2	كابل ثرمو بلاست 2*3 مم2 نحلس لىصر "Color Coded" CU/PVC/PVC(Red-Black-Y/G)Energy (0.6/1Kv)Power Cable -Elsowedy	مط	3,274		
3	كابل ثرمو بلاست 2*3 مم2 نحلس لىصر "Color Coded" CU/PVC/PVC(Blue-Black-Y/G)Energy (0.6/1Kv)Power Cable -Elsowedy	مط	3,274		
4	كابل ثرمو بلاست 3*3 مم2 نحلس لىصر "Color Coded" CU/PVC/PVC(Yal-Black-Y/G)Energy Power (0.6/1Kv)Cable -Elsowedy	مط	2,906.0		
5	كابل ثرمو بلاست 3*3 مم2 نحلس لىصر "Color Coded" CU/PVC/PVC(Red-Black-Y/G)Energy (0.6/1Kv)Power Cable -Elsowedy	مط	2,906.0		
6	كابل ثرمو بلاست 3*3 مم2 نحلس لىصر "Color Coded" CU/PVC/PVC(Blue-Black-Y/G)Energy (0.6/1Kv)Power Cable -Elsowedy	مط	2,906.0		
	الإجمالي غير شامل الضريبة				
	ضريبة القيمة المضافة 14 %				
	خصم 1 %				
	الإجمالي شامل الضريبة ضريبة القيمة المضافة				

تحريراً بالتاريخ : ٢٠١٩/٣/٣١

و تفضلوا بقبول فائق الاحترام ...



Approved
W



أمر توريد رقم (١٢١٩)
لعام ٢٠١٩/٢٠١٨
الصادر بتاريخ ٢٠١٩/٣/١٩

٢٤١٥٢٤٧٠ / ف

الاستشارة / الترخيص / لوائح الطالة

الشارع ٩٢ شارع عمر ابن الخطاب - الدور (٩) - السبع عمارات - مصر الجديدة - القاهرة

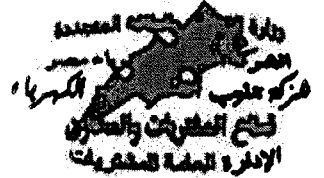
تحية طيبة ... وبعد

إيماء إلى العطاء المقدم منكم للممارسة رقم ٢٠١٩/٢٠١٨/٦١ جلسة ٢٠١٩/٣/٣ لتوريد كابل الومنيوم قطاع ٣×٢٤٠م^٢.
وبالإشارة إلى قرار مجلس الإدارة بجلسته (الثامنة) لسنة ٢٠١٩ والمنعقدة بتاريخ ٢٠١٨/٣/١٠ المذكورة رقم (٤٢).
رجاء الإحاطة بأن شركتنا تسند لكم التوريد وبيانه كالتالي:-

البيانات				
١	قطاع ٣×٢٤٠ + ١٢٠ م ^٢ جهد منخفض ١/٠,٦ ك. ف XLPE	كم	٤٥	

بالشروط التالية :

١. يتم التوريد طبقاً للمواصفات الفنية لشركتنا وطبقاً للمواصفات المقدمة منكم والمقبولة فنياً ، مع الالتزام بإجراء الاختبارات اللازمة على المهمات الواردة بمهندسي شركتنا بمعامل مصانعكم .
٢. مدة التوريد : خلال شهرين من تاريخ اليوم العاشر من الإخطار بسداد التأمين النهائي أو من تاريخ استلام أمر التوريد أيهما أقرب ، بالمعدلات الآتية :
 - الشهر الأول : كمية قدرها (٢٥) كم .
 - الشهر الثاني : كمية قدرها (٢٠) كم .
٣. ~~شيك~~ : بشيك بعد الفحص والاختبار والقبول الفني والاستلام والذي يتم بمعرفة لجنة الفحص المختصة .
(يتم السداد بمعرفة الشركة القابضة لكهرباء مصر طبقاً لاتفاقية التمويل المشترك طويل الأجل)
٤. ~~التسليم~~ : مخازننا .
٥. ~~التخزين~~ : يتم التخزين بمخزن عين حلوان المركزي .
٦. ~~الكمية المطلوبة~~ : لزوم قطاعات شبكات توزيع القاهرة وقطاعات شبكات توزيع الجيزة لاستكمال الخطة الطموحة .
٧. سيتم خصم مبلغ ألف بعد ذلك .
٨. تحتفظ شركتنا بحقها في الضرائب في ضوء التعليمات الصادرة من مصلحة الضرائب المصرية .
٩. يتم خصم ٢٪ من قيمة الكابلات الموردة على البكر مقابل ارتجاع البكر بحالة سليمة (٢٪ من قيمة الكابلات الموردة على البكر تحسب على السعر الأساسي للكابلات) .



تاريخ أمر التوريد رقم (١٢١٩)
لعام ٢٠١٩/٢٠١٨
التاريخ بتاريخ ٢٠١٩/٣/١٩

١٠. الأسعار ثابتة طول فترة الارتباط والتوريد .
١١. لن يتم صرف أي مستحقات مالية إلا بعد تقديم الشهادات الدالة على سداد مستحقات هيئة التأمينات الاجتماعية نظير هذه العملية .
١٢. يلزم حضور مندوب مفوض من شركتكم للتوقيع على عقد التوريد الخاص بهذه العملية .
١٣. **التأمين النهائي** : تم تقديم خطاب ضمان نهائي رقم
من البنك العربي الأفريقي الدولي بمبلغ
١٤. **الطريق** : لمدة ١٢ شهر من تاريخ التشغيل أو ١٨ شهر من تاريخ التوريد بموجب خطاب ضمان بنكي بنسبة ٥٪ .
١٥. تقدم الفواتير من أصل + خمس صور وتكون مرقمة ترقيم طباعة .
١٦. في حالة عدم التوريد خلال المدة المذكورة بالأمر سيتم توقيع غرامة تأخير بواقع ١٪ عن الأسبوع وبحد أقصى ١٠٪ حتى الأسبوع العاشر ويحق لشركتنا الشراء على حسابكم مع إلغائكم كافة الإجراءات القانونية في هذا الشأن في حالة التأخير في التوريد المطابق للمواصفات الفنية .
١٧. يسرى على هذا الأمر الشروط العامة والخاصة بالممارسة وأحكام لائحة المشتريات ولائحة المخازن الخاصة بالشركة فيما عدا السهو والخطأ .

وتفضلوا بقبول فائق الاحترام ...

مدير عام المشتريات
محمود سيد محمد الحميد

مدير إدارة العقود والمشتريات
٢٠١٩

كبير باهني
ومدير إدارة حسابات العقود
٢٠١٩

كبير باهني
والمراجع المختص
٢٠١٩

بخصوص : الممارسة المحدودة (٢٠١٩/٢٠١٨/٩)
لتوريد كابلات ارضية جهد ٢٢ ك.ف وملحقاتها
لربط محطات التوليد بالطاقة الشمسية بمحطات
رفع الجهد بمنطقة بنبان - منطقة مصر العليا.

أمر توريد رقم (٢٠٠)
بتاريخ ٢٠١٩/١/١٥

السادة / شركة انيرجيا لكابلات الطاقة (السويدي)
٩٧ ش عمر بن الخطاب - السبع عمارات - مصر الجديدة
ت :- ٢٤١٥٢٣٧١ ف :- ٢٤١٥٢٤٧٠
تحية طيبة وبعد ،،،

نتشرف بالاحاطة بأن الشركة المصرية لنقل الكهرباء قد وافقت على الاسناد لشركتكم الموقرة كمية من مشمول
الممارسة المحدودة رقم (٢٠١٩/٢٠١٨/٩) جلسة ٢٠١٨/١٢/٦ (بنظام المظروف الواحد) لتوريد ١٠٠ كم كابلات
أرضية قطاع X١ ٦٣٠ مم ٢ نحاس غلاف نحاس جهد ٣٠/١٨ ك.ف (٢٢ ك.ف) GIS اللازمة لربط جزء من محطات
التوليد بالطاقة الشمسية بمحطات محولات رفع الجهد ٢٢٠/٢٢ ك.ف بمنطقة بنبان بمحافظة أسوان - منطقة كهرباء
مصر العليا .

غير شاملة ضريبة
غير شامل ضريبة

بقيمة اجمالية قدرها
القيمة المضافة - بسا
القيمة المضافة

على أن يتم التوريد طبقا للمواصفات المطروحة والعطاء المقدم من شركتكم والخطابات المتبادلة في هذا الشأن .

والأسعار تشمل كافة الضرائب والدمغات (بما فيها دمغة المهن الهندسية والتطبيقية) والتأمينات الاجتماعية وأى
ضرائب أخرى بموجب قوانين جمهورية مصر العربية والرسوم الجمركية على ما قد يتم استيراده من الخارج والنقل
والتحميل والتعبئ بمخازن الشركة المصرية لنقل الكهرباء - بمنطقة كهرباء مصر العليا ولا تشمل ضريبة القيمة
المضافة.

وأسعار الكابلات تخضع لمعادلة ضبط الأسعار لخام النحاس المعطن في بورصة لندن للمعادن في اليوم التالي لأمر
الاسناد وعلى أساس :

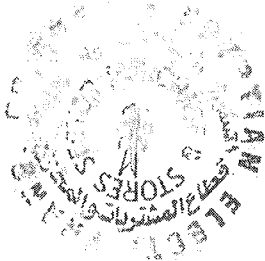
سعر النحاس	دولار / طن
وزن النحاس	طن / كم .
سعر الدولار	جنيه

وبالشروط الآتية :-

• مدة التوريد :

- ٢٠% من اجمالى كمية الكابلات خلال شهر من خطاب الاسناد.
- ٤٠% من اجمالى كمية الكابلات خلال شهرين من خطاب الاسناد.
- ٤٠% من اجمالى كمية الكابلات خلال ثلاثة أشهر من خطاب الاسناد.

شور



• شروط الدفع :-

(١٠%) من إجمالي قيمة العقد دفعة مقدمة يتم سدادها مقابل استلام مطالبة وبموجب تقديم خطاب ضمان بنكي مقبول الصيغة وغير مشروط بنفس القيمة والعملية.

(٨٠%) تُصرف بموجب تقديم فواتير معتمدة مؤيدة بمحضر فحص واختبار مهندسى الشركة المصرية لنقل الكهرباء وإذن الاستلام المخزنى للمهمات .

(١٠%) من اجمالى قيمة العقد تسدد بعد الإنتهاء من توريد كامل الكمية.

• مكان التسليم :- يتم التسليم بمخازن شركتكم على أن يتم نقل المهمات الى مخازن الشركة المصرية لنقل الكهرباء - منطقة مصر العليا على نفقتكم وتحت مسئوليتكم .

• الاختبارات :- يتم الاختبار والتفتيش على كبلات القوى فى حضور ممثلى الشركة المصرية لنقل الكهرباء على أن تتحمل شركتكم كافة تكاليف التفتيش والاختبارات .
وفى حالة إجراء الاختبارات بالخارج تكون مدة الاختبارات لاتزيد عن عشرة ايام ولعدد اثنين مفتش من الشركة المصرية لنقل الكهرباء على كل شحنة يتم توريدها وعلى نفقة شركتكم (الإقامة الكاملة والانتقالات) وتذاكر السفر على ان يتم اخطار الشركة المصرية لنقل الكهرباء بموعد إجراء الاختبارات بالخارج بفترة كافية (٦ أسابيع على الأقل) .

• فترة الضمان :- (٢٤) شهراً من تاريخ التشغيل أو (٣٦) شهراً من تاريخ توريد آخر شحنة من الكبلات أيهما لاحق ويسرى ذلك على الكبلات التى يظهر بها عيوب فى الخامات أو التصنيع وتكون شركتكم مسؤولة عن استبدالها على نفقتكم خلال فترة الضمان على أن يتم استبدالها خلال شهرين من تاريخ اخطار شركتكم بذلك .

• التأمين النهائي:-

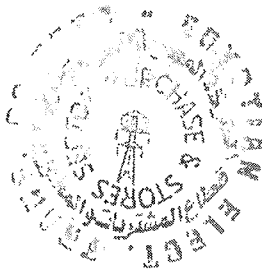
١
٢
٣

• غرامة التأخير :-

فى حالة التأخير فى التوريد عن المدة المحددة للعملية تطبق فوراً غرامة التأخير طبقاً للائحة العقود

وتحسب نسبة الغرامة عن قيمة الجزء المتأخر توريده الا اذا ادى التأخير الى عدم الانتفاع بما تم توريده من العقد ففى هذه الحالة تحسب نسبة الغرامة على اجمالى قيمة العملية بالكامل .

توقيع





**EMAAR MISR FOR DEVELOPMENT
PURCHASE ORDER**

H/Q at Emaar Misr Sales Center
PO Box 229 Mokattam
Cairo, EG

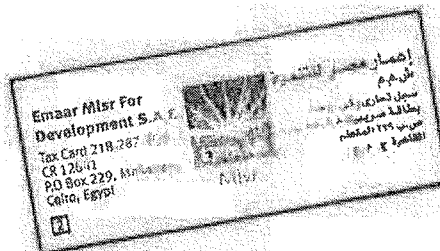
Phone : +202 2 2503 2000
Fax : +202 2 2503 2020

Supplier Name : Energys Cables	Standard Order No : 12625	Revision No : 1				
Address : 8 abd El Salam Zaki st. Korba cairo,	Date : 18-DEC-18					
	Revision Date : 14-JAN-19					
	Delivery Date : 1-2 Months for LV cables, 1.5-2.5 Months for MV cables					
Contact Name : Mr. Mohamed El Nahas	Description : UTC - PKG#88 - Road 1B - LV & MV cables					
Telephone : 01099595889	Warranty Period :					
Bill To : Emaar Misr for Development Accounts Payable, Finance Department, P.O. Box 229, Mokattam Cairo, EG	Ship To : Emaar Misr for Development Location for Emaar Misr, P.O. Box 229, Mokattam Cairo, EG					
Payment Terms: 25% Down Payment against Guarantee, 75% after Delivery.						
Note to Supplier :						
This is subject to Emaar Misr Terms and Condition of Purchase Order of Goods and Services (as below)						
Sr.No	Pr No	Qty.	UOM	Description of Goods/Services	Unit Rate	Amount
1	10250	1	Lump Sum	Supply and deliver LV & MV cables for PKG#88 as per attached offer all as per Consultant/Engineer approval		
Notes: * Accepted tolerance percentage related to the required quantity is +/-3% * Advance payment LG to be submitted within 5 working days from P.O. R0 date, otherwise delivery duration will be calculated after 10 days from P.O. R0 date. * The above delivery dates to be calculated from P.O. R0 issuance date.						
Currency : EGP				TOTAL ORDER VALUE:		
				Discount Value		
				Net Value		
In Words :						
Please quote the above order number on all delivery notes and invoices pertaining to this purchase order						
Approved on behalf of Emaar Misr for Development						

Note All Goods / Services supplied are subject to inspection and acceptance.
All terms & conditions mentioned overleaf are an integral part of this purchase order.

Authorized by:

Handwritten signature
20 Jan 2019



Handwritten signature
20 Jan 19



Offer # 12 (Jan - 2019)

Date : 08/01/2019

Our Ref. : CR 71-2018

From: Energya Power cables

Contact: Mohamed EL Nahas

Tel & Fax: 010 9959 5889 - 24152371/2 - Fax: 24152470

Address: 97 Omer Ebn El khattab 5th floor - 7 Buil. sq.- Cairo , Egypt

E-Mail: mohamed.elnahas@energyacables.com

Subject: Uptown Cairo PKG # 88 (Cables)

To: EMAAR

Contact: Eng. Haltham Khalil

Eng. Hala Said

Tel & Fax

Address:

E-Mail

We would like to thank you for your interest in Energya Power Cables product range, and we are honored to submit best quotation concerning :

Ser	Size	Specs	Cu Vf .Km	Al/ Lead Vf .Km	Voltage	Qty	Unit	Unit Price	Total Price
1	1x16	AL/PVC	0.000	0.000	450/750V	10,110	MT		
2	1x50	AL/PVC	0.000	0.000	450/750V	1,722	MT		
Grand Total									

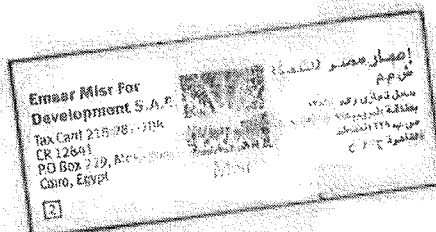
Commercial Terms & Conditions :

Offer Validity	3 days from offer data
Currency	Values Offered In EGP
Sales Tax	Values Offered Excluding VAT 14%
Delivery cost	All prices including transportation fees to uptown cairo
Delivery Period	1-2 Months , from receiving your confirmed order & down payment
Delivery Location	Ex-Works Energya Power Cables
Payment	25% Advance Payment +75% against delivery
Packing & Length	Energya Power Cables standard packing on wooden wooden drums with accepted length tolerance +/- 3%
Testing	Energya Power Cables Testing Labs & We Welcome Client Inspection

We wish our offered prices & terms will satisfy your requirements ... For any further clarification, please do not hesitate to contact us at your convenience

Mr. Hosam EL Sherbiny
Sales Manager

Mr. Mohamed EL Nahas
Section Head





Offer # 158 (NOV - 2018)

Date 16/12/2018

Our Ref. : CR 71-2018

From: Energya Power cables

Contact: Mohamed EL Nahas

Tel & Fax: 010 9959 5889 - 24152371/2 - Fax: 24152470

Address: 97 Omer Ebn El Khattab 9th floor - 7 Bld. sq- Cairo , Egypt

E-Mail: mohamed.elnahas@energyacables.com

Subject Uptown Cairo PKG # 88 (Cables) Rev#4

To EMAAR

Contact Eng. Haitham Khalil
Eng. Hala Said

Tel & Fax

Address:

E-Mail

We would like to thank you for your interest in Energya Power Cables product range, and we are honored to submit best quotation concerning :

Ser.	Size	Specs	Cu VF /Km	Al/ Lead VF /Km	Voltage	Qty	Unit	Unit Price	Total Price
1	4x95	AL/XLPE/STA/PVC	0.000	0.000	0.6/1KV	1,722.00	MT		
2	4x25	AL/XLPE/STA/PVC	0.000	0.000	0.6/1KV	10,110.45	MT		
3	3x3	CU/PVC/PVC	0.000	0.000	0.6/1KV	3,623.55	MT		
Grand Total									

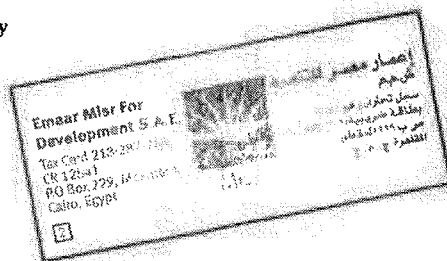
Commercial Terms & Conditions :

Offer Validity	3 days from offer date
Currency	Values Offered In EGP
Sales Tax	Values Offered Excluding VAT 14%
Delivery cost	All prices including transportation fees to uptown cairo
Delivery Period	1-2 Months , from receiving your confirmed order & down payment
Delivery Location	Ex-Works Energya Power Cables
Payment	25% Advance Payment +75% against delivery
Packing & Length	Energya Power Cables standard packing on wooden drums with accepted length tolerance +/- 3%
Testing	Energya Power Cables Testing Labs & We Welcome Client Inspection

We wish our offered prices & terms will satisfy your requirements ...For any further clarification, please do not hesitate to contact us at your convenience

Mr. Hosam El. Sherbiny
Sales Manager

Mr. Mohamed EL Nahas
Section Head





Offer # 160 (NOV - 2018)

Date 16/12/2018

Our Ref. : CR 71-2018

From: Energya Power cables

Contact: Mohamed EL Nahas

Tel & Fax: 010 9959 5889 - 24152371/2 - Fax: 24152470

Address: 97 Omer Ebn El khattab 9th floor - 7 Buit. sq.- Cairo , Egypt

E-Mail: mohamed.elnahas@energyacables.com

Subject Uptown Cairo PKG # 88 (Cables) REV#6

To ENAAR

Contact Eng. Haitham Khalil
Eng. Hala Saied

Tel & Fax

Address

E-Mail

We would like to thank you for your interest in Energya Power Cables product range, and we are honored to submit best quotation concerning :

Ser.	Size	Specs	Cu VF/Km	Al/ Lead VF/Km	Voltage	Qty	Unit	Unit Price	Total Price
1	3X400	AL/XLPE/STA/PVC	0.586	3.176	18/30 KV	16,419.25	MT		
2	3X240	AL/XLPE/STA/PVC	0.386	1.949	18/30 KV	18,225.90	MT		
Grand Total									

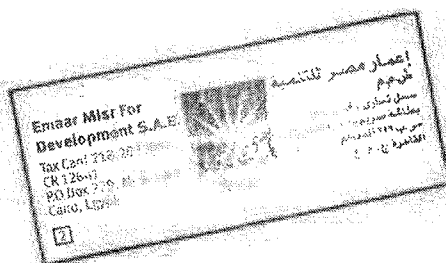
Commercial Terms & Conditions :

Offer Validity	3 days from offer date
Currency	Values Offered In EGP
Sales Tax	Values Offered Excluding VAT 14%
Delivery cost	All prices including transportation fees
Delivery Period	6-10 weeks , from receiving your confirmed order & down payment
Delivery Location	Ex-Works Energya Power Cables
Payment	25% Advance Payment +75% against delivery
Packing & Length	Energya Power Cables standard packing on automobile wooden drums with accepted length tolerance +/- 3%
Testing	Energya Power Cables Testing Labs & We Welcome Client Inspection

We wish our offered prices & terms will satisfy your requirements ...For any further clarification, please do not hesitate to contact us at your convenience

Mr. Hosam El. Sherbiny
Sales Manager

Mr. Mohamed EL Nahas
Section Head



Technical Offer For Cables Generally to IEC 60502-1

Annealed Stranded Plain Copper Conductors, Insulated with PVC Compound suitable for operating temperature 70°C And Sheathed By PVC Compound

General Information:

- Short Description: Cu/PVC/PVC
- Voltage: 0.6 / 1 (1.2) Kv
- Conductor: Stranded Plain Circular un Compacted Copper Conductor according to IEC 60228 Class 2
- Insulation / Temperature: PVC Insulation / 70°C
- Sheathing Material / Color: PVC / Black



Cable Marking:

ENERGYA POWER CABLES-ELSEWEDY HELAL No. of cores x size 0.6/1 Kv Cu/PVC/PVC Manufacturing Year

Printing Type:

Ink Jet Or Embossed

Core Identification:

- 3 Cores: Red, Yellow, Blue

Packing:

- Cable shall be supplied in lengths as indicated in technical schedule on wooden reels.
- Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage.
- Each reel shall be marked with type, size and length of Cable, and weight.
- This information shall be written on metallic tag nailed properly to the flange.

Tests:

- Routine tests generally to IEC 60502-1 are performed on the cables and test certificate will be supplied on request.
- Electrical Resistance of the conductors shall be tested on IEC 60228.
- Voltage Test: No breakdown of The insulation shall occur, The applied Voltage and duration will be as per IEC 60502-1.

Electrical Data:

Maximum conductor operating temperature:	70	°C
Maximum conductor temperature during S.C.:	160	°C
Laying conditions at trefoil formation are as below:		
- Soil thermal resistivity	120	°C.Cm/Watt
- Burial depth	0.5	m
- Ground temperature	35	°C
- Air temperature	40	°C
- Frequency	50	Hz

- Cables are protected from direct solar radiation and no other thermal sources in the neighborhood.

Specifications:

No. of Cores	Size (mm ²)	Approximate Outer Diameter (mm)	Approximate Cable Weight (Kg/Km)	Minimum Bending Radius (mm)	Cutting Length (MT) ± 5 %	Flange/Outer width	Maximum Conductor DC Resistance at 20 °C (Ω/Km)	Conductor AC Resistance at Max. Operating Temp. and 50Hz (Ω/Km)	Conductor S.C.C for 1 sec (KA)	Current Carrying Capacity		
										Laid in Ground	In duct	Free Air
3X3		12.7	270	195	3000	1400 / 1088	6.1	7.298	0.35	27	23	22

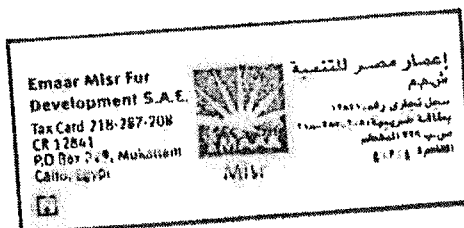
- The above data is approximate and subjected to manufacturing tolerance.

Prepared By

Mahmoud Hamdeen
Technical Design Engineer

Approved By

Mohamed Abdel Sattar
Technical Manager



Technical Offer For Cables Generally to IEC 60502-1

Stranded Plain Aluminum Conductors ,Insulated with XLPE Compound Suitable For Operating Temperture 90C ,Armoured by Double Steel Tapes And Sheathed By PVC Compound

General Information:

- Short Description: AL/XLPE/STA/PVC
- Voltage: 0.6 / 1 (1.2) Kv
- Conductor: Stranded Circular Compacted Aluminium Conductor according to IEC 60228 Class 2
- Insulation / Temperature: Cross Linked Polyethylene according to IEC 60502-1 / 90°C
- Bedding Before Armouring: PVC / Black
- Armouring: Double Steel Tapes
- Sheathing Material / Color: PVC / Black

Cable Marking: **ENERGYA POWER CABLES-ELSEWEDY HELAL** No. of cores x size 0.6/1 Kv AL/XLPE/STA/PVC Manufacturing Year

Printing Type: Ink Jet Or Embossed

Core Identification:

- 4 Cores: Red / Yellow, Blue, Black
- Binder tapes and fillers may be used when necessary

Packing:

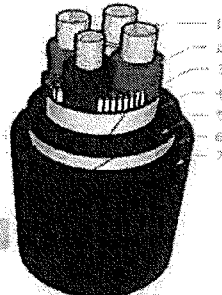
- Cable shall be supplied in lengths as indicated in technical schedule on wooden reels
- Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage.
- Each reel shall be marked with type, size and length of Cable, and weight
- This information shall be written on metallic tag nailed properly to the flange.

Tests:

- Routine tests generally to IEC 60502-1 are performed on the cables and test certificate will be supplied on request.
- Electrical Resistance of the conductors shall be tested on IEC 60228.
- Voltage Test: No breakdown of The insulation shall occur, The applied Voltage and duration will be as per IEC 60502-1.
- Hot Set Test for XLPE Insulation according to IEC 60502-1

Electrical Data:

- Maximum conductor operating temperature: 90 °C
- Maximum conductor temperature during S.C: 250 °C
- Laying conditions at trefol formation are as below:
 - Soil thermal resistivity: 120 °C.Cm/Watt
 - Burial depth: 0.5 m
 - Ground temperature: 35 °C
 - Air temperature: 40 °C
 - Frequency: 50 Hz
- Cables are protected from direct solar radiation and no other thermal sources in the neighborhood.



Drawing Description:

- 1- Aluminium Conductors
- 2- XLPE Insulation
- 3- P.P Filler (optional)
- 4- P.P Tape (optional)
- 5- PVC Bedding
- 6- Steel Tape Armour
- 7- PVC Sheathing

Specifications:

No. of Cores	Size (mm2)	Approximate Outer Diameter (mm)	Approximate Cable Weight (Kg/Km)	Minimum Bending Radius (mm)	Cutting Length (MT) ± 5 %	Flange/Outer width	Maximum Conductor DC Resistance at 20 °C (Ω/Km)	Conductor AC Resistance at Max. Operating Temp. and 50Hz (Ω/Km)	Conductor S.C.C for 1 sec (KA)	Current Carrying Capacity		
										Liad in Ground	In duct	Free Air
4X25		25.4	895	385	1000	1500 / 1100	1.2	1.53	2.36	89	70	84

-The above data is approximate and subjected to manufacturing tolerance.

Prepared By

Mahmoud Hamdeen
Technical Design Engineer

Approved By

Mohamed Abdel Sattar
Technical Manager

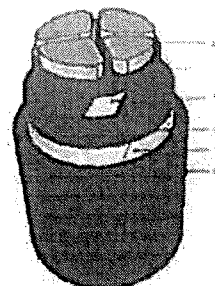


Technical Offer For Cables Generally to IEC 60502-1

Stranded Plain Aluminum Conductors ,Insulated with XLPE Compound Suitable For Operating Temperature 90°C ,Armoured by Double Steel Tapes And Sheathed By PVC Compound

General Information:

- Short Description: AL/XLPE/STA/PVC
- Voltage: 0.6 / 1 (1.2) Kv
- Conductor: Stranded Plain Aluminum Conductor Class 2 Sector Shape For according to IEC 60228
- Insulation / Temperature: Cross Linked Polyethylene according to IEC 60502-1 / 90°C
- Bedding Before Armouring: PVC / Black
- Armouring: Double Steel Tapes
- Sheathing Material / Color: PVC / Black



Cable Marking:

ENERGYA POWER CABLES-ELSEWEDY HELAL No. of cores & size ALN Kv AL/XLPE/STA/PVC Manufacturing Year

Printing Type:

Ink Jet Or Embossed

Cable Identification:

- 4 Cores: Red , Yellow, Blue, Black
- Binder tapes and fibers may be used when necessary

Packing:

- Cable shall be supplied in lengths as indicated in technical schedule on wooden reels.
- Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage.
- Each reel shall be marked with type, size and length of Cable, and weight.
- This information shall be written on metallic tag nailed properly to the flange.

Tests:

- Routine tests generally to IEC 60502-1 are performed on the cables and test certificate will be supplied on request.
- Electrical Resistance of the conductors shall be tested on IEC 60228.

Electrical Data:

Maximum conductor operating temperature: 90 °C
Maximum conductor temperature during S.C.: 250 °C

- Cable depth: 0.5 m
- Ground temperature: 25 °C
- Air temperature: 30 °C
- Frequency: 50 Hz
- Cables are protected from direct solar radiation and no other thermal sources in the neighborhood.

Specifications:

Specifications:											Current Carrying Capacity		
No. of Cores	Size (mm ²)	Approximate Outer Diameter (mm)	Approximate Cable Weight (Kg/Km)	Minimum Bending Radius (mm)	Cutting Length (MT) ± 10 %	Flange/Outer width	Maximum Conductor DC Resistance at 20 °C (Ω/Km)	Conductor AC Resistance at Max. Operating Temp. and 50Hz (Ω/Km)	Conductor S.C.C for 1 sec (KA)	Lied in Ground	In duct	Free Air	
4X95		38.2	2405	575	1000		2000 / 1100	0.32	0.406	8.98	229	180	226

Prepared by

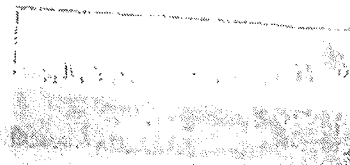
Ahmed Adel

Technical Design Engineer

Prepared by

Mahmoud Hamdeen

Technical Design Engineer



Emaar Misr For Development S.A.E.
Tax Card 218-287-708
CR 12841
P.O Box 270, Mokattam
Cairo, Egypt

إعمار مصر للتطوير
ش.م.م
سجل تجاري رقم 12841
بطاقة ضريبة 218-287-708
ص.ب 270 المقطم
القاهرة ١١٤
مصر

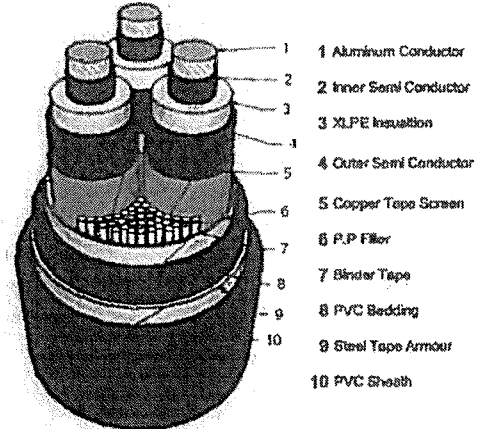
Technical Offer For Cables Generally to IEC 60502-2

وفقا للمواصفات الفنية لشركة جنوب القاهرة لتوزيع الكهرباء

Multi core cable 18 / 30 (36) with compacted circular stranded Aluminum conductors , Extruded by semi conducting layer as conductor screen, XLPE Insulated, Extruded by semi conducting layer as insulation screen (Bonded type) Screened by Overlapped Copper tape, Cores are assembled together using non-hygroscopic filler, Banded with polypropylene tape Extruded by poly vinyl chloride (PVC) as an inner covering And Armoured with Double Steel Tapes and extruded by colored poly vinyl chloride (PVC) as an outer sheath

General Information:

Short Description: AL/XLPE/STA/PVC
Voltage: 18 / 30 (36) KV
Conductor: Stranded Aluminum Conductor according to IEC 60228 Class 2
Inner Semi Conductor: Extruded Inner Semi Conductor (Bonded Type)
Insulation / Temperature: Cross Linked Polyethylene according to IEC 60502-2 / 90°C
Outer Semi Conductor: Extruded Outer Semi Conductor (Bonded Type)
Screening Type : Overlapped Copper Tape
Bedding Before Armouring: PVC / Black
Armouring: Double Steel Tapes
Sheathing Material / Color: PVC / Black



Cable Marking:

ENERGYA POWER CABLES-ELSEWEDY HELAL No. of cores x size 18/30 KV AL/XLPE/STA/PVC Manufacturing Year

Core Identification:

- Multi Cores Red , Yellow, Blue Narrow Tapes
- Binder tapes may be used when necessary

Packing:

-Cable shall be supplied in lengths as indicated in technical schedule on wooden or steel reels up to the manufacturer.

-Each reel shall be marked with type, size and length of Cable, and weight.
-This information shall be written on metallic tag nailed properly to the flange.

Electrical Data:

Maximum conductor operating temperature: 90 °C
Maximum screen operating temperature: 80 °C
Maximum conductor temperature during S.C: 250 °C

-Burlat depth 0.5 m
-Ground temperature 35 °C
-Air temperature 40 °C
-Frequency 50 Hz

Specifications:

No. of Cores	Size (mm ²)	Approximate Outer Diameter (mm)	Approximate Cable Weight (Kg/Km)	Minimum Bending Radius (mm)	Cutting length (MT) ± 10 %	Packing Type	Flange Diameter (mm)	Drum outer Width (mm)	Screen C.S.A (mm ²)
3X240		99.7	11505	1500	400	Wooden Drum	2700	1600	25
3X400		111.5	14695	1675	250	Wooden Drum	2700	1600	35

-Electrical Data:

Size (MM ²)	Maximum Conductor DC Resistance at Max.	Conductor AC Resistance at Max.	Capacitance (mF/Km)	Charging Current (A/Km)	Dielectric Losses (W/Km)	Reactance at 50 Hz	Conductor S.C.C for	Screen S.C.C for	Current Rating	
	Resistance at 20 °C (Ω/Km)	Operating Temp. and 50Hz (Ω/Km)				(ohm/km)	1 sec (KA)	1 sec (KA)	Laid in ground A	Laid in free air A
3X240	0.125	0.154	0.284	1.338	98.24	0.189	22.488	3.7	349	389
3X400	0.0778	0.096	0.338	1.583	114	0.101	37.48	5.18	478	603

-The above data is approximate and subjected to manufacturing tolerance

Emaar Misr For Development S.A.E.
Tax Card 218-787-708
CR 12841
P.O Box 229, Mokattam
Cairo, Egypt

إعمار مصر للتنمية
ش.م.م
سجل تجاري رقم ١٢٨٤١
بطاقة ضريبة ٢١٨-٧٨٧-٧٠٨
ص.ب ٢٢٩ الجيزة
٢٠٠٠ ع

Misr



Local Purchase Order (L.P.O.)

10018737

DATE : 10/03/2019 VENDOR : ENEROYA ENGINEERING & DISTRIBUTION
PROJECT NO : 008007900 VENDOR NO : 126616 SITE : EGT-008-SUP
PROJECT TITLE : EETC-SOHAG EAST- FAX NO. : TEL.NO:
500/220/66/22 K.V-MVA GIS S/ TERMS : AS PER ATTACHED ORDER PAYMENT TERMS AND CONDITIO
PO PREPARED BY : YOUSSEF REDA YOUSSEF AHMED PROMISED DELIVERY : AS PER ORDER TERMS&CONDIT ()

S.NO	ITEM CODE	DESCRIPTION	TASK	QUANTITY	UNIT	UNIT COST	TOTAL COST
1	0502401054	CONTROL CABLE CU/PVC/PVC 4C X 4SQ.MM	3.02.01.74	30000	MTR		
2	0502501609	CONTROL CABLE CU/PVC/PVC/CUT/PVC 4C X 2.5SQ.MM 600/1000V	3.02.01.74	22000	MTR		
3	0502301007	CONTROL CABLE CU/PVC/PVC 12C X 1.5SQ.MM	3.02.01.74	12000	MTR		
4	0502301011	CONTROL CABLE CU/PVC/PVC 19C X 1.5SQ.MM	3.02.01.74	18000	MTR		
5	0502301015	CONTROL CABLE CU/PVC/PVC 24C X 1.5SQ.MM	3.02.01.74	19000	MTR		
6	0501601088	CABLE CU/PVC/PVC 7C X 1.5SQ.MM	3.02.01.74	20000	MTR		
7	0502403006	CABLE CU/PVC/OS/PVC 2P X 1.5	3.02.01.74	8000	MTR		

Page 1 of 2

Material Requisition / Purchase Order Request / Client In-house Approval Ref. No. for this order.	Signature:	Ref/Rev	Approval	1. Original : Supplier 2. Green : FAD (SC) 3. Blue : PD 4. Yellow : FAD 5. Red : Project store
	Name:	ARMED EL ASHRY	ALI DEEB AHMED	
<input type="checkbox"/> Non-permanent material/ services (no MRV, no MIV)	Title:	P & MC	CORPORATE DIRECTOR (Acting) P & MC	
<input type="checkbox"/> Direct Charge items (no MRV, no MIV)	Date:	10/03/2019	10/03/2019	



Tel : +202 33367688
Fax : +202 37609264

2 Abdul Moneim Riad St., Al Thawra Square, Dokki, Giza, Egypt
Email: egypt@kharafinational.com

Capital : EGP 610,000,000
Commercial Reg. No: 2462

Local Purchase Order (L.P.O.)

10018757

DATE : 10/03/2019 VENDOR : ENERGYA ENGINEERING & DISTRIBUTION
PROJECT NO : 008007900 VENDOR NO : 116615 SITE : EGY-008-SUP
PROJECT TITLE : EETC-SOHAG EAST- FAX NO. : TEL.NO:
300/220/66/22 K.V-NVA GIS S/ TERMS : AS PER ATTACHED ORDER PAYMENT TERMS AND CONDITIO
PO PREPARED BY : YOUSSEF REDA YOUSSEF AHMED PROMISED DELIVERY : AS PER ORDER TERMS&CONDIT ()

SPECIAL INSTRUCTIONS :

Material delivery to site store keeper

Material acceptance subject to inspection at site

Submit original invoice to finance along with DN acknowledged by store

QUOTED COST :

CHARGES :

TAX :

TRD TAX :

MOD VAT :

NET VALUE(EGP):

The Supplier has made a commitment to total, unyielding integrity in its dealings with Kharafi National For Infrastructure projects developments & Construction and Services S.A.E.(Organization) and third parties. The Supplier also confirms that it will do business only by lawful and ethical means and further confirms that in every aspect of its business, it will not compromise its commitment to integrity. For orders above EGP 10,000/- (or equivalent), please refer Appendix I attached to this LPO.

Page 2 of 2

Material Requisition / Purchase Order Request / Client in-house Approval Ref. No. for this order	Review		Approval		Distribution
	Signature		Signature		
		AMMED EL-AMRY	ALI IMEL AMMAN		1. Original : Supplier
	Name	S & MO	CORPORATE DIRECTOR		2. Green : FAD (SC)
	Title		(Acting) P & MO		3. Blue : PD
<input type="checkbox"/> Non-permanent material/ services (no MRV, no MIV)	Date	10/03/2019	10/03/2019		4. Yellow : FAD
<input type="checkbox"/> Direct Charge Items (no MRV, no MIV)					5. Red : Project store



Tel : +202 33367688

Fax : +202 37609284

2 Abdul Monem Ried St., Al Thawra Square, Dokki, Giza, Egypt

Email: egypt@kharafinational.com

Capital : EGP 610,000,000

Commercial Reg. No: 2462

KHARAFI NATIONAL

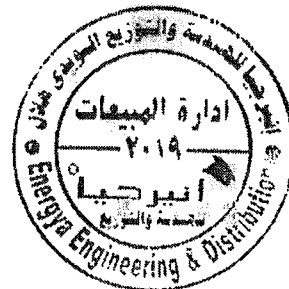
ORDER TERMS & CONDITIONS Purchase Order

Check List

1. Supplier : **Energya Cables**
Contact Person: Eng. Mohamed Elnahas
Contact Number: +2010 9959 5889
Contact E-Mail: mohamed.elnahas@energycables.com
2. Manufacturer : **Manufacture: Energya Cables**
Country of origin: EGYPT
3. Main Contract : 008007900 - Sohag East Substation.
4. Scope of Work : Supply of Control cables as per the following :
5. Technical Submittals and approvals : This PO is subject to client approval.
6. Manufacturers Suppliers Compliance Statement : Refer to Financial Offer
7. Order Value : **Energya EX Work- EGP**
(Energya EX Work -Five Millions, Three hundreds and seventy four thousands, three hundreds and ninety EGP including taxes.)
8. Delivery : Delivery shall be within 6 weeks from the PO .
 - 1- The following original documents shall be provided at the time of delivery:
 - a- Warranty - Guarantee Certificate for one year of startup commissioning or 18 months from the delivery. 12
 - b- Material Data sheet for all equipment.

Required Documents:-

1. Original Invoice.
2. Factory acceptance test certificate.
3. Technical Submittal



KHARAFI NATIONAL

ORDER TERMS & CONDITIONS

Purchase Order #

Check List

9. Payment Terms : 30% Cash on delivery after FAT (factory acceptance test).
70% Credit cheque deferred 30 days from FAT (factory acceptance test).
10. Penalty : N/A
11. Additional Quantities : Subject to design and client approval with extra cost.
12. References : Technical Specification
Control cables quotation
13. Special Conditions: **A. Acknowledgement of Order:**
The supplier shall acknowledge receipt of this purchase order within 5 (Five) days of its receipt.



ORDER TERMS & CONDITIONS

Purchase Order #

Check List

B. The Client / Employer's Approval:
N.A

C. **Materials Compliance With Approved Technical Submittal:**
- Supplier shall guarantee that all ordered materials shall be manufactured and supplied in accordance with the approved materials submittal and Project Specifications. In case any deviations found in the delivered materials / equipment or in case of rejection by client / consultant for valid reasons, poor quality / workmanship, supplier shall be fully responsible for all related consequences and shall make arrangements to deliver or repair substitute materials in full compliance with the technical submittals and Project Specifications at his own cost in a reasonable time which to be mutually agreed between both parties.

D. **Guarantee / Warranty:**

- The Supplier shall guarantee his materials against Material and Workmanship defects. In such cases, supplier shall provide replacement or repair as per requirement of client without any extra cost to KN in a reasonable time which to be mutually agreed between both parties.

- Manufacture Supplier shall submit Certificates of conformity.

E. **Attending To Any Snags:**

N.A.

F. **Site Supervision/Service Visit:**

N.A.



ORDER TERMS & CONDITIONS**Purchase Order #****Check List****G. Energy Factory Visit:**

The Client shall be allowed for Factory Visit for FAT if required and All expenses in the factory shall be arranged by Manufacturer.

H. Factory standard test certificates / reports / MTC's / calibration:



Supplier shall submit at the time of delivery Material test certificates for all the Cables included in this order, at no extra cost to KN. Supplier shall provide all relevant Mill / Material Test Certificate (MTC) originally issued by manufacturer in English Language. The Original MTC must be delivered separately to KN.

14. Packing &
Transporting

A. Deliver and Handling shall be according to the manufacturer's Recommendations.

15. Co-ordination
between different
trades

By KN

The above terms and conditions are agreed by:			
Supplier Name:	Energys Cables	Signature	
Name of the Person:	Eng.Mohamed El Nahas		
Title:	Section Head		
Telephone Contact No:	+2010 9959 5889	Supplier Seal / Stamp	
Mobile:	+2010 9959 5889		
Date:	04/03/2019		



J.A.K.

J.A.K Co., Ltd.
for Decorations & Power Supplies

أمر توريد – Purchase Order

02/2019	رقم :	14/01/2019	التاريخ :
Energya Engineering & Distribution		أنيرجيا للهندسة و التوزيع	
		السادة :	
		عناية :	
		المسيد الأستاذ / محمد الباسل - مدير المبيعات	

يرجى التكرم بتوريد البنود الآتية لشركة جيه ايه كيه للمقاولات و التوريدات

م	البيان	الوحدة	الكمية	سعر الوحدة	القيمة
1	موصل المونيووم بقلب صلب 12/70 مم من إنتاج أنيرجيا	ton	7	0	
الأجرة					
ضريبة القيمة المضافة 14%					
(بخصم) - ضريبة أرباح تجارية و صناعية					
المصاريف					

Terms & Conditions:

- The prices including VAT 14%
- The Delivery: 3 weeks from PO Date
- Payment:
 - 25% Down Payment
 - 75% On Delivery

Approved

General Manager

Eng. Karim Arafa

Telephone : +20 2 229 018 77
+20 100 32 7 32 03

Location : 4 Elmoez st. - Asmaa Fahmy, Ard El Golf

Website : www.jak-eg.com

Email : info@jak-eg.com

بخصوص: الممارسة المحدودة رقم
(٢٠١٩/٢٠١٨/٢١) الخاصة بعملية توريد
وتركيب كابلات ارضية جهد ٦٦ ك. ف قطاع
١*٦٣٠ مم ٢ نحاس غلاف رصاص لزوم
ربط محطة محولات مترو السلام بالشبكة
الكهربائية بمنطقة القاهرة

أمر اسناد رقم (٤٧٧)

٢٠١٩/٦/١٢

السادة الائتلاف / شركة انيرجيا للطاقة والتليكوم سيلوشنز
وشركة انيرجيا لكابلات الطاقة (السويدي)

٩٧ ش عمر بن الخطاب - السبع عمارات - مصر الجديدة
ت :- ٢٤١٥٢٣٧١ ف :- ٢٤١٥٢٤٧٠

تحية طيبة وبعد ،،،

نتشرف بالاحاطة بأن الشركة المصرية لنقل الكهرباء قد وافقت على الاسناد لشركتكم الموقرة جزء من مشمول
الممارسة المحدودة رقم (٢٠١٩/٢٠١٨/٢١) جلسة ٢٠١٩/٣/١٢ بنظام المظروف الواحد فيما يخص اللوط الاول لربط
محطة محولات مترو السلام بمحطة محولات النهضة جهد ٦٦ ك. ف بطول ٥ كم عن عملية توريد وتركيب كابلات ارضية
جهد ٦٦ ك. ف قطاع ١*٦٣٠ مم ٢ نحاس غلاف رصاص (بنظام تسليم مفتاح) لزوم ربط محطة محولات مترو السلام
بالشبكة الكهربائية بمنطقة القاهرة .

بقية إجمالية

شامل ضريبة القيمة المضافة وتضاف ضريبة القيمة المضافة بالنسبة الواردة بالقانون رقم (٦٧) لسنة ٢٠١٦ الصادر
بتاريخ ٢٠١٦/٩/٧ ولائحة التنفيذية طبقا لكتاب وزير المالية بتاريخ ٢٠١٨/٣/٧ .

علي ان يتم التنفيذ طبقا للمواصفات المطروحة والعطاء المقدم من الائتلاف وجداول الاسعار المرفقة والمعتمدة من
شركتكم .

بالشروط الآتية :

الاسعار :- شاملة كافة انواع الدمغات والضرائب والرسوم بما فيها الرسوم الجمركية علي المهمات التي قد
يستوردها المقاول من الخارج والتأمينات الاجتماعية المستحقة علي هذا العقد وتشمل كافة انواع
الخدمات والنقل والتحميل والتعتيق والاسعار ثابتة طوال مدة التنفيذ فيماعدا بند توريد كابلات
القوي الذي يخضع لمعادلة ضبط الاسعار لخامى النحاس والرصاص المعلنة ببورصة لندن
للمعادن في اليوم التالي لتوقيع خطاب الاسناد علي اساس :-

- سعر خام النحاس :	دولار / للطن
- سعر خام الرصاص :	دولار / للطن
- وزن النحاس :	كجم / كم
- وزن الرصاص :	كجم / كم
- سعر الدولار :	

علي ان تتحمل شركتكم كافة انواع الضرائب والرسوم الجمركية والدمغات المستحقة عن هذا العقد بما فيها
دمغة المهن الهندسية والتطبيقية والتأمينات الاجتماعية طبقا للقوانين السارية في جمهورية مصر العربية
وفيماعدا ضريبة القيمة المضافة .

مدة التنفيذ : (٥) شهور تبدأ من تاريخ خطاب الاسناد واستلام الموقع خالي من الموانع ايهما لاحق .

شروط الدفع :

- (١٠%) من اجمالي قيمة التعاقد كدفعة مقدمة مقابل خطاب ضمان بنكي غير مشروط ومقبول الصيغة من بنك معتمد مرخص له بنفس القيمة والعملة تدفع خلال (٦٠) يوم تبدأ من تاريخ تقديم خطاب ضمان
- الدفعة المقدمة المقبولة للشركة المصرية لنقل الكهرباء ومطالبة الشركة بعد استلام موقع الاعمال موضوع العقد خلال (١٥) يوم من تاريخ اخطاره باستلام الموقع .
- (٨٠%) مقابل فواتير ومستخلصات شهرية معتمدة من ممثلي الشركة المصرية لنقل الكهرباء بعد وصول المهمات الموقع وتركيبها طبقا لتقرير تقدم سير الاعمال مؤيدة بشهادة استلام للمهمات او جزء منها بالموقع .
- (١٠%) بعد الاستلام الابتدائي للمشروع بموجب تقديم فاتورة معتمدة من الشركة المصرية لنقل الكهرباء مرفق بها شهادة الاستلام الابتدائي وتقديم مخالصة من التامينات الاجتماعية وتقديم مايفيد السداد لمديرية القوي العاملة المختصة مقابل استخدام العمالة غير المنتظمة اذا كانت مستحقة طبقا لقرار وزير القوي العاملة رقم (٣٢٩) لسنة ٢٠١٥ .
- التصاريح : تلتزم شركتكم باستخراج كافة التصاريح اللازمة للتنفيذ خلال الشهر الاول من مدة التنفيذ ومازاد عن ذلك نتيجة تاخير الشركة المصرية لنقل الكهرباء في اصدار الخطابات اللازمة لاستخراج التصاريح يضاف الي مدة التنفيذ بعد حصر الزيادة بمعرفة المنطقة المشرفة علي التنفيذ .
- عدة التركيب والحاوية : تلتزم شركتكم بتسليم عدة التركيب التي يتم استخدامها اثناء العمل في تنفيذ المشروع داخل حاوية وطبقا للكشف المرفق بكراسة الشروط والمواصفات
- فترة الضمان : ثلاث سنوات (٣٦) شهر تبدأ من تاريخ الاستلام الابتدائي للعملية كلها او اي جزء منها يكون قد تم استلامه ابتدائيا علي حده وذلك دون اخلاص بهذا الضمان بالضمانات المنصوص عليها في القانون المدني للعملية .

• التأمين النهائي :

- غرامة التأخير : يتم احتساب غرامة التأخير طبقا للائحة العقود والمشتريات المقترحة المصرية لنقل الكهرباء بواقع ١% عن كل اسبوع او جزء منه وبحد أقصى ١٠% من قيمة العقد وتحسب نسبة الغرامة من قيمة المهمات المتأخرة الا اذا أدى التأخير الى عدم الانتفاع بما تم تنفيذه من العقد ففي هذه الحالة تحسب نسبة الغرامة على اجمالي قيمة العقد بالكامل .
 - لوائح الشركة المصرية لنقل الكهرباء والشروط والمواصفات الفنية وجدول فئات الأسعار وأحكام لائحة العقود والمشتريات بالشركة المصرية لنقل الكهرباء جزء لا يتجزأ من هذا الأمر فيما لم يرد بشأنها نص .
 - جميع شروط الأمر ملزمة للطرف الثاني ما لم يعترض عليها خلال اسبوع من استلام الأمر .
- وتفضلوا بقبول فائق الاحترام ،،،

رئيس قطاع

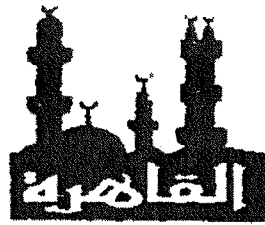
المشتريات والمخازن

مهندسة /

" هادي توفيق كامل "



إمضاء



أمر توريد
٦-٣-٠٨-١٩

السادة / شركة انيرجيا لكابلات الطاقة

تحية طيبة وبعد ...
إيماءا إلى مشروع أعمال إنشاء الكيان العسكرى - المنطقة الادارية (شوارع رئيسية) يرجى التكرم بتوريد المهمات التالية طبقا

للآتى :-

رقم البند	التوصيف	العدد	الكمية	سعر البند	الاجملى
1	كابل ثرموبلاست 2*3 مم2 نحلس لصفير "Color Coded" CU/PVC/PVC(Yal-Black-Y/G)Energya Power (0.6/1Kv)Cable -Elsewedy	مط	11,000		
2	كابل ثرموبلاست 2*3 مم2 نحلس لصفير "Color Coded" CU/PVC/PVC(Red-Black-Y/G)Energya (0.6/1Kv)Power Cable -Elsewedy	مط	10,000		
3	كابل ثرموبلاست 2*3 مم2 نحلس لصفير "Color Coded" CU/PVC/PVC(Blue-Black-Y/G)Energya (0.6/1Kv)Power Cable -Elsewedy	مط	1,000		
	الاجملى غير شامل الضريبة				
	ضريبة القيمة المضافة 14 %				
	خصم 1 %				
	الاجملى شامل الضريبة ضريبة القيمة المضافة				

تحريراً بالتاريخ : ٢٠١٩/٣/٥

و تفضلوا بقبول فائق الاحترام ...

مدير عام الشركة القاهرة للمقاولات

Purchase Order

Date: 11/6/2019

To: Energya

Attention: Eng. Aly Hesham Elsewedy

P.O: 16/2019

Greetings,

Please find below our order for the below item.

No.	Item	Qty	Unit Price EGP	Total Price EGP
1	20*2*0.4 TC450	27.5		
2	100*2*0.9 TC450	4.5		
3	50*2*0.9 TC450	12.1		
4	100*2*0.9 TC450	0.5		
Total in EGP Excluding 14% VAT				
14% VAT				
1% Commercial Profit (deduction)				
Grand total in EGP Including 14% VAT				

Terms and Conditions:

- 1- Payment: To be discussed.
- 2- Taxes: Prices excludes 14% sales taxes & will receive taxes deduction certificate from MOD.
- 3- Delivery Place: Energya Warehouses in Cairo.
- 4- Delivery Time: Within 2-3 weeks from receiving P.O and advance payment.
- 5- Maximum Tolerance 0%.

General Manager
Safaa EL Sewedy



Purchase Order

Date: 11/13/2019

To: Energya

Attention: Eng. Aly Hesham Elsewedy

P.O: 17/2019

Greetings,

Please find below our order for the below item.

No.	Item	Qty	Unit	Unit Price EGP	Total Price EGP
1	10*2*0.4 TC450	30	KM		
Total in EGP Excluding 14% VAT					
14% VAT					
1% Commercial Profit (deduction)					
Grand total in EGP Including 14% VAT					

Terms and Conditions:

- 1- Payment: To be discussed.
- 2- Taxes: Prices excludes 14% sales taxes & will receive taxes deduction certificate from MOD.
- 3- Delivery Place: Energya Warehouses in Cairo.
- 4- Delivery Time: Within 2-3 weeks from receiving P.O and advance payment.
- 5- Maximum Tolerance 0%.

General Manager
Safaa ELsewedy





Local Purchase Order (L.P.O.)

10019442

DATE : 14/05/2019
PROJECT NO : 008008200
PROJECT TITLE : EETC-Abu Zaabal-Extension
PO PREPARED BY : YOUSSEF REDA YOUSSEF AHMED

VENDOR : ENERGVA ENGINEERING & DISTRIBUTION
VENDOR NO : 126616
FAX NO. :
TERMS : AS PER ATTACHED ORDER PAYMENT TERMS AND CONDITIO
PROMISED DELIVERY : AS PER ORDER TERMSACONDITION ()

SITE : EGT-008-SUP
TEL.NO:
S/S-500K.V GIS Trans-PKA

S.NO	ITEM CODE	DESCRIPTION	TASK	QUANTITY	UNIT	UNIT COST	TOTAL COST
1	0502501609	CONTROL CABLE CU/PVC/PVC/CUT/PVC 4C X 2.5SQ.MM 600/1000V	3.02.01.64	1500	MTR		
2	0502403006	CABLE CU/PVC/OS/PVC 2P X 1.5	3.02.01.64	2500	MTR		
3	0502501610	CONTROL CABLE CU/PVC/PVC/CUT/PVC 4C X 4SQ.MM 600/1000V	3.02.01.64	2300	MTR		
4	0502501630	CONTROL CABLE CU/PVC/PVC/CUT/PVC 12C X 1.5SQ.MM 600/1000V	3.02.01.64	2800	MTR		
5	0502501650	CONTROL CABLE CU/PVC/PVC/CUT/PVC 19C X 1.5SQ.MM 600/1000V	3.02.01.64	2000	MTR		
6	0502501660	CONTROL CABLE CU/PVC/PVC/CUT/PVC 24C X 1.5SQ.MM 600/1000V	3.02.01.64	1200	MTR		
7	0502501640	CONTROL CABLE CU/PVC/PVC/CUT/PVC 7C X 1.5SQ.MM 600/1000V	3.02.01.64	1200	MTR		

Page 1 of 2

Material Requisition / Purchase Order Request / Client In-house Approval Ref. No. for this order:	Signature:	Review	Approval	Distribution 1. Original : Supplier 2. Green : FAD (SC) 3. Blue : PD 4. Yellow : FAD 5. Red : Project store
	Name:	MUTAZ ALI	AHMED EL SHERRY	
<input type="checkbox"/> Non-permanent material/ services (no MRV, no MIV)	Title:	Procurement Supervisor	P & M	
<input type="checkbox"/> Direct Charge Items (no MRV, no MIV)	Date:	14/05/2019	14/05/2019	



Tel : +202 33367688 2 Abdul Monem Riad St. Al Thawra Square, Dokki, Giza, Egypt Capital : EGP 610,000,000
Fax : +202 37600264 Email: egypt@kharafinational.com Commercial Reg. No: 2462

www.kharafinational.com



Local Purchase Order (L.P.O.)

10019442

DATE : 14/05/2019
PROJECT NO : 008008200
PROJECT TITLE : ETC-Abu Zaabal-Extension
5/5-500K.V GIS Trans-PKA
PO PREPARED BY : YOUSSEF REDA YOUSSEF AHMED

VENDOR : ENERGYA ENGINEERING & DISTRIBUTION
VENDOR NO : 126616
FAX NO. :
TERMS : AS PER ATTACHED ORDER PAYMENT TERMS AND CONDITIO
PROMISED DELIVERY : AS PER ORDER TERMS&CONDIT ()

SITE : EGT-008-SUP
TEL.NO:

SPECIAL INSTRUCTIONS :

Material delivery to site store keeper

Material acceptance subject to inspection at site

Submit original invoice to Finance along with DN acknowledged by store

QUOTED COST :

CHARGES :

TAX :

TRD TAX :

MOD VAT :

NET VALUE(EGP):

The Supplier has made a commitment to total, unyielding integrity in its dealings with Kharafi National For infrastructure projects developments & Construction and Services S.A.E.(Organization) and third parties. The Supplier also confirms that it will do business only by lawful and ethical means and further confirms that in every aspect of its business, it will not compromise its commitment to integrity. For orders above EGP 10,000/- (or equivalent), please refer Appendix I attached to this LPO..

Page 2 of 2

Material Requisition / Purchase Order Request / Client In-house Approval Ref. No. for this order.	Signature:	Review	Approved	Distribution: 1. Original : Supplier 2. Green : FAD (SC) 3. Blue : PD 4. Yellow : FAD 5. Red : Project store
	Name:	MOTAT ATT	AHMED E. YOUSSEF	
<input type="checkbox"/> Non-permanent material/ services (no MRV, no MIV)	Title:	Procurement Supervisor	P. & M.M	
<input type="checkbox"/> Direct Charge Items (no MRV, no MIV)	Date:	14/05/2019	14/05/2019	



Tel : +202 33367688
Fax : +202 37609264

2 Abdul Moneim Riad St., Al Thawra Square, Dokki, Giza, Egypt
Email: egypt@kharafinational.com

Capital : EGP 610,000,000
Commercial Reg. No: 2462