

Islamic Emirate of Afghanistan
Da Afghanistan Brishna Sherkat

ریاست عملیاتی
ریاست ساختمانی امور برق
مدیریت عمومی پلان و انجینیری

جدول تحویل دهی مواد خام پروسه تولید پایه های آهن کانکریتی پروژه تامین برق ولسوالی دهر اوود ولایت ارزگان

ماره	اسم جنس	مقدار	واحد	ربع اول معیاد قرارداد	ربع دوم معیاد قرارداد	ملاحظات
1	سمنت مارک 400	19,096.00	خریطة	9548	9548	
2	سیخ 7 ملی رخداری فولادی (پرستریس)	101.00	تن	51	50	
4	سیخ 4 ملی بدون رخ (اسپرل)	29.00	تن	15	14	
5	سیخ تعمیری 8 ملی بدون رخ (صاف)	11.00	تن	5.5	6	
6	جغل بادامی و نخودی	1,327.00	متر مکعب	664	663	
7	گ شسته شده	834.00	متر مکعب	417	417	
8	سیخ ولدنگ اصلی 3 ملی	1,087.00	کیلوگرام	544	543	
9	سیم جستی 1 ملی	0.50	تن	0.5	0	

تأیدی شعبه نیاز مند:

نوت: شرکت قرار دای میتواند تمام مواد مندرج جدول اقلام را مطابق به معیاد قرار داد بشکل مجموعی در یک ربع به مرجع نیاز مند تسلیم نماید



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مشخصات تکنیکی مواد خام

۱. مشخصات تکنیکی سمنت

Cement

Cement shall conform to the requirements of ASTM specification C-150 Type 1 or similar approved standard for normal Portland cement.

Cement shall be free from any hardened lumps and foreign matter. It shall have a minimum of 90% of particles by weight passing the 75 micron sieve, an initial setting time in excess of 30 minutes and a final setting time of less than 7 hours.

۲. مشخصات تکنیکی سیخ فولادی پرستریس ۷ میلی رخدار برای تولید پایه های آهن کانکرتی گول

• Pre-Stressing steel Wire for production of pre-stressing spun concrete pole, conforming to ASTM A421, BS 5896, ISO 6934-2 or Equivalent Standard.

- a. Tensile strength min 1670 MPA
- b. Nominal cross section area 38.5 mm²
- c. Mass per length: nominal 302 g/m and permissible deviation 4,3
- d. Maximum force 64.3 KN
- f. Elongation shall not be less than 4 %

Pre-stressing deform steel wire shall be free from flaws or defects. It must be free from rust, grease, pitting, mud, loose scale, mortar or any other foreign, material or materials that may impair the quality.

Bars shall be in one length, as far as practicable without welding, supplied as rounding bundle or coil length not more than 1000 kg per bundle.

For each batch of reinforcing bar supplied to site the Contractor shall submit a supplier's certificate to the Engineer confirming that the bar conforms to specification.

The Engineer may order laboratory testing of reinforcing bar to be used in the Works in which case samples shall be cut by the Contractor as directed by the Engineer.

۳. مشخصات تکنیکی سیم چهار میلی بدون رخ برای ساخت اسپایرل پایه های گول آهن کانکرتی برق رسانی.

• Spiral wire for production of pre-stressing spun concrete pole, conforming to ASTM A82 or Equivalent Standard.

- a. Tensile strength min 550 MPA
- b. Nominal cross section area 12.9 mm²
- c. Maximum force 7.1 KN

Spiral wire shall be free from flaws or defects. It must be free from rust, grease, pitting, mud, loose scale, mortar or any other foreign, material or materials that may impair the quality.

Wire shall be in one length, as far as practicable without welding, supplied as rounding bundle or coil not more than 50 kg per bundle.

For each batch of wire supplied to site the Contractor shall submit a supplier's certificate to the Engineer confirming that the bar conforms to specification.

The Engineer may order laboratory testing of spiral wire to be used in the Works in which case samples shall be cut by the Contractor as directed by the Engineer.



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4. مشخصات تکنیکی سیخ تعمیراتی ۸ میلی بدون رخ برای ساخت رینگ یا گزدمک پایه های آهن کانکریتی گول

Plain round steel bar using as stirrup for production of pre-stressing spun concrete pole. conforming to ASTM A615 or BS 4449 or Equivalent Standard.

- a. Tensile strength min 420 MPA
- b. Nominal cross section area 50.3 mm²
- c. Mass per length: nominal 395 gr/m and permissible deviation $6.5 \pm$
- d. Maximum force 21.15 KN

Plain round steel bar shall be free from flaws or defects. It must be free from rust, grease, pitting, mud, loose scale, mortar or any other foreign, material or materials that may impair the quality.

Bars shall be in one length, as far as practicable without welding, supplied as rounding bundle or coil not more than 1000 kgr per bundle.

For each batch of reinforcing bar supplied to site the Contractor shall submit a supplier's certificate to the Engineer confirming that the bar conforms to specification. Bars purchased in small lots from a dealer may be accepted at the discretion of the Engineer upon proof that they meet these Specifications.

The Engineer may order laboratory testing of reinforcing bar to be used in the Works in which case samples shall be cut by the Contractor as directed by the Engineer.

5. مشخصات تکنیکی جفل بادامی ونخودی به سایز کوچکتر از ۱۸ میلی متر بزرگتر از ۴ میلی متر، پره دار، مقاوم و پاک از مواد اضافی از جمله خاک. coarse aggregates shall be field tested and evaluated. aggregate shall conform to ASTM C33/C 33M for The coarse aggregates shall be evaluated separately and in combination, which matches the proposed mix design proportioning.

Except where otherwise stated, coarse aggregate shall consist of hard, durable angular fragments of crushed stone and/or crushed natural gravel conforming to the following grading:

The aggregate shall have a Flakiness Index of less than 30, and shall be clean and free from dust and other deleterious substances. The Contractor shall supply samples of the aggregate materials as required by the Engineer.

If the Contractor proposes to change the source of supply of aggregate, samples from the new source shall similarly be supplied and tested.

6. مشخصات تکنیکی ریگ شسته شده پاک از مواد اضافی مضر از جمله خاک جهت استفاده در تولید پایه های آهن کانکریتی گول. Fine aggregate shall be clean washed concrete grad sand, free of clay other deleterious matter and shall confirm ASTM C33, All the material shall pass 4.75mm sieve and not more than 3% by weight shall pass a 75-micron sieve.

7. مشخصات تکنیکی سیخ ولدینگ اصلی ۳ میلی جهت ولدینگ کاری گزدمک ها

Package: 2.5/5kgs /Inner Box and 20kg Outer Box

Specification: 3.2x350mm

Trademark: Great Wall

Size: 302mm

Color: Any

8. مشخصات تکنیکی سیم جستی ۱ میلی برای بسته کاری سیخبندی پایه های تولیدی

Specification: Steel bending wire for tie thread rebar of Concrete

Diameter: 1 mm

Conforming ASTM or Equivalent Standards.



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د افغانستان برېښنا شرکت

جدول تحويل دهی تجهیزات برقی پروسه تولید میتر بکس، براکت و سوچبورد های پروژه تامین برق ولسوالی دهر اوود ولایت ارزگان

ناره	اسم جنس	مقدار	واحد	ربع اول معیاد قرارداد	ربع دوم معیاد قرارداد	ملاحظات
1	ترانسفارمر جریان 600/5 امپیر	30	عدد	30	0	
2	ترانسفارمر جریان 400/5 امپیر	6	عدد	6	0	
3	ترانسفارمر جریان 300/5 امپیر	15	عدد	15	0	
4	ترانسفارمر جریان 160/5 امپیر	9	عدد	9	0	
5	ترانسفارمر جریان 100/5 امپیر	3	عدد	3	0	
6	مین سویچ 630 امپیر	10	پایه	10	0	
7	ن سویچ 400 امپیر	2	پایه	2	0	
8	مین سویچ 300 امپیر	5	پایه	5	0	
9	مین سویچ 160 امپیر	3	پایه	3	0	
10	مین سویچ 100 امپیر	1	پایه	1	0	
11	بسبار مسی 2mm(10X40)	44	متر	44	0	
12	پوش بسبار 2mm(10X50)	39	متر	39	0	
13	بسبار مسی 2mm(10X30)	31	متر	31	0	
14	پوش بسبار 2mm(10X40)	28	متر	28	0	
15	بسبار مسی 2mm(10X20)	16	متر	16	0	
16	پوش بسبار 2mm(10X30)	14	متر	14	0	
17	فیوز کاردکی 100/160A	1173	عدد	587	586	
18	فیوز اتومات 25A	2310	عدد	1155	1155	
19	فیوز کاردکی معه تخت مکمل 250A/300A	48	عدد	48	0	
20	فیوز کاردکی معه تخت مکمل 160A/160A	95	عدد	95	0	
21	فیوز کاردکی معه تخت مکمل 63A/100A	72	عدد	72	0	
22	سلنتر بسبار گیر 400 ولت برای سوچبورد	42	عدد	42	0	
23	سلنتر بسبار گیر برای میتریکس سایز 25	770	عدد	385	385	
24	سیم فکسولی 2 mm (1x1.5) مسی	420	متر	420	0	
25	سیم یک لینه 2mm^6	5968	متر	2984	2984	
26	بسبار مسی 2*20 ملی	39	متر	39	0	
27	جین کلیت	2310	جوره	1155	1155	
28	مولتی متر سه فاز دیجیتالی	21	عدد	21	0	

تأیدی شعبه نیاز مند:

ت: شرکت قرار دادی میتواند تمام مواد مندرج جدول اقلام را مطابق به معیاد قرار داد بشکل مجموعی در یک ربع به مرجع نیاز مند تسلیم نماید

14-06-02

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Sr. No	مشخصات تخنیکي لات دوم تجهیزات برقی پروژه دهرآود Technical Specifications of Electrical Equipments		توضیح مطابقت	
			ندارد	دارد
1	ترانسفارمر جریان 600A/5A			
	Standard	IEC 60044-1/ 61869-2		
	Rated Primary Current	600A		
	Rated Secondary Current	1or 5A		
	Rated Operational Voltage (Un)	720V		
	Accuracy Class	Metering; 0.2, 0.2s, 0.5, 0.5s, 1,3; Protection 5P, 10P		
	Instrument Security Factor (Fs)	5		
	Burden	From 1 to 30 VA		
	Rated Frequency	50Hz (on demand 400Hz)		
	Ambient Temperature	-20/75°C		
	Storage Temperature	-50/80°C		
	Operating Humidity	Up to 95% Relative Humidity		
	Rated Thermal Continuous Current	1.2*In		
	Rated Short Time Thermal Current	60*In / 1 Sec. – 100*In / 1Sec.		
	Rated Dynamic Current(Idyn)	2.5*Ith / 1Sec		
	Rated Power Frequency withstand Voltage	3Kv eff.(50Hz)/1min.		
	Thermal Class of Insulation	E (120 deg.C max.)		
	casing	Non-flammable, Self-Extinguishing, Glass reinforced PA6		
	Degree Of Protection	IP20		
2	ترانسفارمر جریان 400A/5A			
	Standard	IEC 60044-1/ 61869-2		
	Rated Primary Current	400A		
	Rated Secondary Current	1or 5A		
	Rated Operational Voltage (Un)	720V		
	Accuracy Class	Metering; 0.2, 0.2s, 0.5, 0.5s, 1,3; Protection 5P, 10P		
	Instrument Security Factor (Fs)	5		
	Burden	From 1 to 30 VA		
	Rated Frequency	50Hz (on demand 400Hz)		
	Ambient Temperature	-20/75°C		
	Storage Temperature	-50/80°C		
	Operating Humidity	Up to 95% Relative Humidity		
	Rated Thermal Continuous Current	1.2*In		
	Rated Short Time Thermal Current	60*In / 1 Sec. – 100*In / 1Sec.		
	Rated Dynamic Current(Idyn)	2.5*Ith / 1Sec		
	Rated Power Frequency withstand Voltage	3Kv eff.(50Hz)/1min.		
	Thermal Class of Insulation	E (120 deg.C max.)		

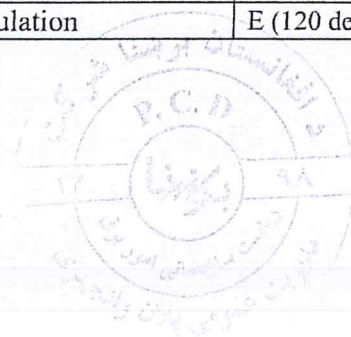
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	casing	Non-flammable, Self-Extinguishing, Glass reinforced PA6	
	Degree Of Protection	IP20	
	ترانسفارمر جریان 300A/5A		
	Standard	IEC 60044-1/ 61869-2	
	Rated Primary Current	300A	
	Rated Secondary Current	1or 5A	
	Rated Operational Voltage (Un)	720V	
	Accuracy Class	Metering; 0.2, 0.2s, 0.5, 0.5s, 1,3; Protection 5P, 10P	
	Instrument Security Factor (Fs)	5	
3	Burden	From 1 to 30 VA	
	Rated Frequency	50Hz (on demand 400Hz)	
	Ambient Temperature	-20/75°C	
	Storage Temperature	-50/80°C	
	Operating Humidity	Up to 95% Relative Humidity	
	Rated Thermal Continuous Current	1.2*In	
	Rated Short Time Thermal Current	60*In / 1 Sec. – 100*In / 1Sec.	
	Rated Dynamic Current(Idyn)	2.5*Ith / 1Sec	
	Rated Power Frequency withstand Voltage	3Kv eff.(50Hz)/1min.	
	Thermal Class of Insulation	E (120 deg.C max.)	
	casing	Non-flammable, Self-Extinguishing, Glass reinforced PA6	
	Degree Of Protection	IP20	
	ترانسفارمر جریان 160A/5A		
	Standard	IEC 60044-1/ 61869-2	
	Rated Primary Current	160A	
	Rated Secondary Current	1or 5A	
	Rated Operational Voltage (Un)	720V	
	Accuracy Class	Metering; 0.2, 0.2s, 0.5, 0.5s, 1,3; Protection 5P, 10P	
	Instrument Security Factor (Fs)	5	
4	Burden	From 1 to 30 VA	
	Rated Frequency	50Hz (on demand 400Hz)	
	Ambient Temperature	-20/75°C	
	Storage Temperature	-50/80°C	
	Operating Humidity	Up to 95% Relative Humidity	
	Rated Thermal Continuous Current	1.2*In	
	Rated Short Time Thermal Current	60*In / 1 Sec. – 100*In / 1Sec.	
	Rated Dynamic Current(Idyn)	2.5*Ith / 1Sec	
	Rated Power Frequency withstand Voltage	3Kv eff.(50Hz)/1min.	
	Thermal Class of Insulation	E (120 deg.C max.)	

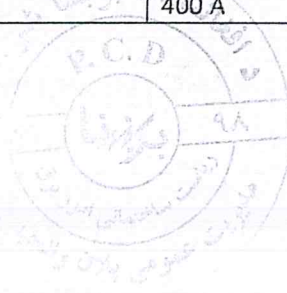
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	casing	Non-flammable, Self-Extinguishing, Glass reinforced PA6	
	Degree Of Protection	IP20	
	ترانسفارمر جریان 100A/5A		
	Standard	IEC 60044-1/ 61869-2	
	Rated Primary Current	100A	
	Rated Secondary Current	1 or 5A	
	Rated Operational Voltage (Un)	720V	
	Accuracy Class	Metering; 0.2, 0.2s, 0.5, 0.5s, 1,3; Protection 5P, 10P	
	Instrument Security Factor (Fs)	5	
	Burden	From 1 to 30 VA	
5	Rated Frequency	50Hz (on demand 400Hz)	
	Ambient Temperature	-20/75°C	
	Storage Temperature	-50/80°C	
	Operating Humidity	Up to 95% Relative Humidity	
	Rated Thermal Continuous Current	1.2*In	
	Rated Short Time Thermal Current	60*In / 1 Sec. – 100*In / 1Sec.	
	Rated Dynamic Current(Idyn)	2.5*Ith / 1Sec	
	Rated Power Frequency withstand Voltage	3Kv eff.(50Hz)/1min.	
	Thermal Class of Insulation	E (120 deg.C max.)	
	casing	Non-flammable, Self-Extinguishing, Glass reinforced PA6	
	Degree Of Protection	IP20	
	مين سويچ 630 A		
	TYPE	INDOOR	
	MCCB: rated current	630 A	
	Rated continues current	630 A	
	Trip unit	630 A	
	Ultimate breaking capacity	>50 KA	
6	Short circuit current	14.2 KA	
	Rated operation voltage	415- 690 V	
	Frequency	50-60 Hz	
	Rated insulating voltage	700 V	
	Temperature rang	-5 to +40 °C	
	Rated impulse voltage	8 KV	
	Pole quantity	3 Pole	
	Standard	IEC 60947.2	
	Extension Bus Bar Set	6 pcs/set	
	مين سويچ 400 A		
	Type	indoor	
7	MCCB: rated current	400 A	
	Rated continues current	400 A	
	Trip unit	400 A	

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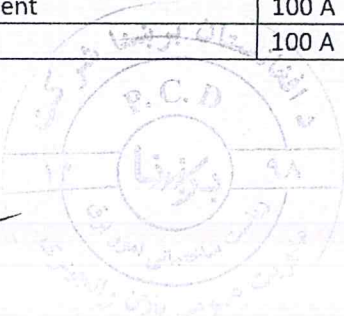


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	Ultimate breaking capacity	>50 KA
	Short circuit current	8.9 kA
	Rated operation voltage	415- 690 V
	Frequency	50Hz
	Rated insulating voltage	700 V
	Temperature rang	-5 to +40 °C
	Rated impulse voltage	8 KV
	Pole quantity	3 pole
	Standard	IEC 60947.2
	Extension Bus Bar Set	6 pcs/set
	مین سویچ 300 A	
8	Type	indoor
	MCCB: rated current	300 A
	Rated continues current	300 A
	Trip unit	300 A
	Ultimate breaking capacity	>35 KA
	Short circuit current	5.7 KA
	Rated operation voltage	415- 690 V
	Frequency	50 Hz
	Rated insulating voltage	700 V
	Temperature rang	-5 to +40 °C
	Rated impulse voltage	6 KV
	Pole quantity	3 pole
	Standard	IEC 60947.2
	Extension Bus Bar Set	6 pcs/set
9	مین سویچ 160 A	
	Type	indoor
	MCCB: rated current	160 A
	Rated continues current	160 A
	Trip unit	160 A
	Ultimate breaking capacity	>35 KA
	Short circuit current	3.65 KA
	Rated operation voltage	415- 690 V
	Frequency	50 Hz
	Rated insulating voltage	700 V
	Temperature rang	-5 to +40 °C
	Rated impulse voltage	6 KV
	Pole quantity	3 pole
	Standard	IEC 60947.2
	Extension Bus Bar Set	6 pcs/set
10	مین سویچ 100 A	
	Type	indoor
	MCCB: rated current	100 A
	Rated continues current	100 A
	Trip unit	100 A

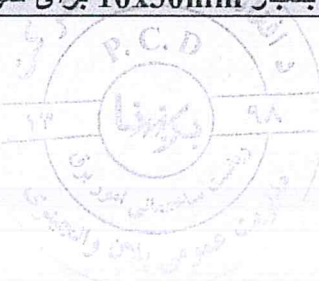
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	Ultimate breaking capacity	>35 KA	
	Short circuit current	3.65 KA	
	Rated operation voltage	415- 690 V	
	Frequency	50 Hz	
	Rated insulating voltage	700 V	
	Temperature rang	-5 to +40 °C	
	Rated impulse voltage	6 KV	
	Pole quantity	3 pole	
	Standard	IEC 60947.2	
	Extension Bus Bar Set	6 pcs/set	
11	بسیار مسی 10x40mm برای سویچبورد		
	Specification	IEC , BS , UL , VDE , JIS	
	Material	Copper	
	Width	40mm	
	Thickness	10mm	
	OEM	YES	
	Rod Length	4m	
12	پوش بسیار 10x50 mm برای سویچبورد		
	Material	Silicon Rubber	
	Color	Red, Yellow, Blue	
	Withstand Temperature	125 oC	
	Width	50 mm	
	Thickness	10 mm	
13	بسیار مسی 10x30mm برای سویچبورد		
	Specification	IEC , BS , UL , VDE , JIS	
	Material	Copper	
	Width	30mm	
	Thickness	10mm	
	OEM	YES	
	Rod Length	4m	
14	پوش بسیار 10x40 mm برای سویچبورد		
	Material	Silicon Rubber	
	Color	Red, Yellow, Blue	
	Withstand Temperature	125 oC	
	Width	40 mm	
	Thickness	10 mm	
15	بسیار مسی 10x20mm برای سویچبورد		
	Specification	IEC , BS , UL , VDE , JIS	
	Material	Copper	
	Width	20mm	
	Thickness	10mm	
	OEM	YES	
	Rod Length	4m	
	پوش بسیار 10x30mm برای سویچبورد		

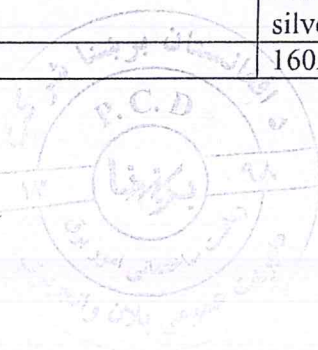
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16	Material	Silicon Rubber
	Color	Red, Yellow, Blue
	Withstand Temperature	125 °C
	Width	30mm
	Thickness	10mm
17	فیوز کارڈ کی 100A/160A	
	Standard	IEC 60269-1:2005
	Dimension Standard	DIN 43620
	Rated current	100A
	Base Rated Current	160A
	Voltage	0.4kV
	Breaking Capacity	100kA
	Type	Low voltage knife Fuse
	Fuse Bases	Fiber insulation with Galvanic ally silver Plated Contacts
	OEM	YES
18	فیوز اتومات 25A	
	Type	MCB
	Rated Voltage	240V (AC)
	Rated Current	25A
	Number of Poles	1
	Cross Sectional Area	6mm ²
	Rated Breaking Capacity	10kA
	Insulation Voltage	500V
	Rated Frequency	50HZ
	Impulse Power Frequency	2kV (50HZ)
	Housing Material	Polybutyne Terephthalate in RAL 7035 Grey Color
	Degree of Protection	IP20 as per IS13947/IEC 60529
19	فیوز کارڈ کی معہ تخت مکمل آن 250/300A	
	Standard	IEC-60269-1:2005
	Type	Low Voltage Knife Fuse
	Fuse Base	Ceramic Insulation with Galvanic ally silver Plated Contacts
	Current Rating	250A
	Base Current Rating	300A
	Voltage Rating	0.4kV
	Breaking Capacity	120kA
	OEM	YES
20	فیوز کارڈ کی معہ تخت مکمل آن 160A/160A	
	Standard	IEC-60269-1:2005
	Type	Low Voltage Knife Fuse
	Fuse Base	Fiber Insulation with Galvanic ally silver Plated Contacts
	Current Rating	160A

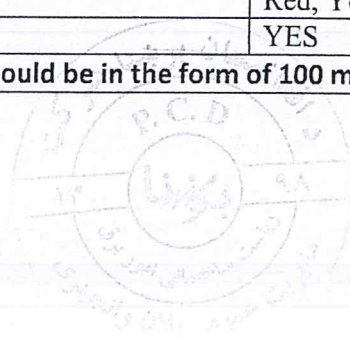
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	Base Current Rating	160A-200 A	
	Voltage Rating	0.4kV	
	Breaking Capacity	120kA	
	OEM	YES	
21	فیوز کاردکی 63A/100A		
	Standard	IEC 60269-1:2005	
	Dimension Standard	DIN 43620	
	Rated current	63A	
	Base Rated Current	100A	
	Voltage	0.4kV	
	Breaking Capacity	100kA	
	Type	Low voltage knife Fuse	
	Fuse Bases	Fiber insulation with Galvanic ally silver Plated Contacts	
	OEM	YES	
22	سلنتر بسبارگیر برای سویچبورد سایز کلان معه بولت		
	Standard	IEC,BS,UL,VDE,JIS	
	Type	SM-76	
	Product Name	Bus-Bar Insulator	
	Threaded Diameter	45mm	
	Heights	70mm	
	Rated voltage	240/380V	
	OEM	YES	
23	سلنتر بسبارگیر برای میتریکس سایز 25 معه بولت واسپرنگ واشر		
	standards	One of : IEC,BS,UL,VDE,JIS Or their equivalent	
	Type	SM-25-M6	
	Threaded Diameter	6mm	
	Height	25mm	
	Rated Voltage	240/380v	
	OEM	YES	
	Color	Red	
	The cover of the net and its bolt should be galvanized		
24	سیم فکسولی 1x1.5mm ² برای سویچبورد		
	Standard	One Of : IEC60228, DIN VDE 0295, EN60228 , OR THEIR EQUIVALENT	
	Conductors	Flexible Class 5 Conductors	
	Insulation Material	PVC	
	Conductor Material	Copper	
	Cross Sectional Area	(1x1.5)mm ²	
	Voltage rating	600/1000V	
	Withstand Temperature	90-105 °C	
	Color	Red, Yellow, Blue , Black	
	OEM	YES	
	It should be in the form of 100 meter bundles		

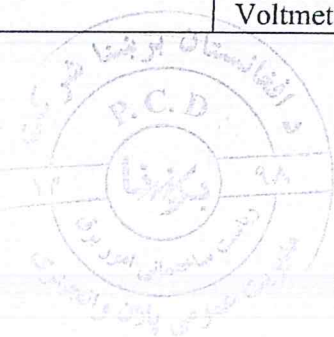
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25	سیم مسی یک لینه $1 \times 6 \text{mm}^2$ برای ویرانگ میتریکس	
	Standard	IEC 60228
	Insulation Material	PVC
	Conductor Material	Copper
	Voltage	300-500V
	Cross Sectional Area	6mm ²
	Core	Single
	Color	Red, Yellow, Blue, Black
	OEM	YES
	bundle	100m
	Physical state	flexible
	It should be in the form of 100 meter bundles	
26	بسیار مسی $2 \times 20 \text{mm}$ برای میتریکس	
	Specification	One of : IEC,BS,UL,VDE,JIS Or their equivalent
	Material	Copper
	Width	20mm
	Thickness	2mm
	OEM	YES
	Length	2m or 4m
27	جین کلیت 30A برای میتریکس	
	Specification	One of : IEC,BS,UL,VDE,JIS Or their equivalent
	Rated Voltage	400V
	Rated Current	30A to 40A
	Wire Size	6mm ²
	Number of Poles	12
	Width	25mm
	Height	20mm
	Length	160mm
28	مولتی متر سه فاز دیجیتال برای سویچبورد	
	Display	Digital Back Lit LCD
	Voltage	400VAC 0.8%, 700 VAC 1.0%
	Current	400A AC
	Frequency Counter	50 Hz 2.0%
	Battery	9 V
	Standard	IEC 1010-1 Compliant
	Measures AC current	400A
	Measures AC voltage	400V
	Resistance Measurement	400Ω
	Dimensions	96 x 96 mm
	Measurement range	Ampere meter 0...9999 A Voltmeter L1, L2, L3 0...500 V


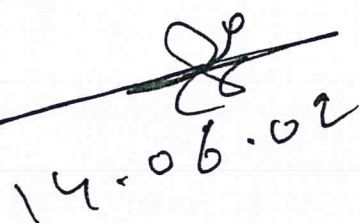
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		Frequency meter 30...70 Hz	
	Accuracy	Ampere meter $\pm 1 \% + 2 d$ Voltmeter $\pm 1 \% + 2 d$ Frequency meter $\pm 0.2 \% + 2 d$ CT ratios: 1...2000	
	Screen	Ampere meter 3 x 4 digits Voltmeter 3 digits Frequency meter 3 digits	





14.06.02



Islamic Emirate of Afghanistan
Da Afghanistan Brishna Sherkat

ریاست عملیاتی
ریاست ساختمانی امور برق
مدیریت عمومی پلان و انجینیری

جدول تحویل دهی مواد خام پروسه تولید میتر بکس، براکت و سوچبورد های پروژه تامین برق ولسوالی دهر اوود ولایت ارزگان

شماره	اسم جنس	مقدار	واحد	ربع اول معیاد قرارداد	ربع دوم معیاد قرارداد	ملاحظات
1	آهن تخته سیاه 1000*2000*1.2 ملی متر	385	تخته	385	0	
2	آهن تخته سیاه 1000*2000*0.9 ملی متر	129	تخته	129	0	
3	آهن تخته (1250X2500X1,5)mm	39	تخته	39	0	
4	آهن زاویه 50*50*5 ملی متر	91	متر	91	0	
5	آهن زاویه 60*60*6 ملی متر	452	متر	226	226	
6	آهن زاویه 75*75*7 ملی متر	6537	متر	3269	3268	
7	آهن پتی 40*3 ملی متر	9612	متر	4806	4806	
8	آهن پتی 30*3 ملی متر برای بینچیه	20	متر	20	0	
9	سیخ چوریدار 14 ملی	2441	متر	1221	1220	
10	سیخ گول صاف 14 ملی	1382	متر	691	691	
11	سیخ صاف 6 ملی برای قلفک	31	متر	31	0	
12	نت و بولت (6x30)mm	75	عدد	75	0	
13	نت و بولت (8x30)mm	390	عدد	390	0	
14	نت و بولت 25*4 ملی متر	84	عدد	84	0	
15	نت و بولت (10x60)mm	63	عدد	63	0	
16	نت و بولت 8*25 ملی متر	385	عدد	385	0	
17	نت و بولت 6*10 ملی متر	1540	عدد	1540	0	
18	چپراس نکلی معه بولت برای سوچپورد	42	جوره	42	0	
19	چپراست نکلی معه بولت برای میتربکس	770	جوره	770	0	
20	چینل پلاستیکی 2mm (10x40) جالی دار	26	متر	26	0	
21	بست پلاستیکی	210	عدد	210	0	
22	ايل برمه 8 ملی	39	عدد	39	0	

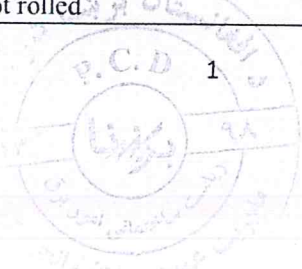
تأیدی شعبه نیاز مند:

نوت: شرکت قراردادی میتواند تمام مواد مندرج جدول اقلام را مطابق به معیاد قرار داد بشکل مجموعی در یک ربع به مرجع نیاز مند تسلیم نماید

Handwritten scribbles and signatures, including a large 'X' and a signature that appears to be 'L. Smith'.

Sr. No	مشخصات لات سوم آهن باب پروژه دهر اود		توضیح مطابقت	
			ندارد	دارد
1	آهن تختہ سیاه با ابعاد 1000x2000 x 1.2mm			
	standard	ONE OF : AISI,ASTM,DIN,JIS,CE , , OR THEIR EQUIVALENT		
	Thickness	1.2mm		
	Width	1000mm		
	Length	2000mm		
	Type	Steel Plate		
	Technique	Cold Rolled		
	Surface	Smooth		
	Special Use	High-Strength Steel Plate		
2	آهن تختہ سیاه با ابعاد 1000x2000 x 0.9mm			
	standard	ONE OF : AISI,ASTM,DIN,JIS,CE , , OR THEIR EQUIVALENT		
	Thickness	0.9mm		
	Width	1000mm		
	Length	2000mm		
	Type	Steel Plate		
	Technique	Cold Rolled		
	Surface	Smooth		
	Special Use	High-Strength Steel Plate		
3	آهن تختہ سیاه با ابعاد 1250x2500 x 1.5mm			
	standard	ONE OF : AISI,ASTM,DIN,JIS,CE , , OR THEIR EQUIVALENT		
	Thickness	1.5mm		
	Width	1250mm		
	Length	2500mm		
	Type	Steel Plate		
	Technique	Cold Rolled		
	Surface	Smooth		
	Special Use	High-Strength Steel Plate		
4	(50mmx50mm x 5mm) Steel Angle Iron آهن زاویہ			
	standard	ONE OF : AISI, ASTM, DIN, JIS, CE , OR THEIR EQUIVALENT		
	Technique	Hot rolled		
	Type	Equal Angle		
	Surface	Black		
	Width	50mm		
	High	50mm		
	Thickness	5mm		
5	(60mmx60mm x 6mm) Steel Angle Iron آهن زاویہ			
	standard	ONE OF : AISI, ASTM, DIN, JIS, CE , OR THEIR EQUIVALENT		
	Technique	Hot rolled		

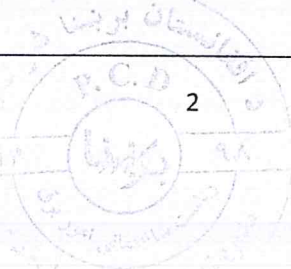
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	Type	Equal Angle	
	Surface	Black	
	Width	60mm	
	High	60mm	
	Thickness	6mm	
6	(75mmx75mm x 7mm) Steel Angle Iron آهن زاويه		
	standard	ONE OF : AISI, ASTM, DIN, JIS, CE , OR THEIR EQUIVALENT	
	Technique	Hot rolled	
	Type	Equal Angle	
	Surface	Black	
	Width	75mm	
	High	75mm	
	Thickness	7mm	
7	40mmx3mm آهن پتی		
	Standard	ONE OF : AISI, ASTM, DIN, JIS, CE , OR THEIR EQUIVALENT	
	Width	40mm	
	Thickness	3mm	
	Weight	0.94kg/m	
	Length	6m	
8	30mmx3mm آهن پتی		
	Standard	ONE OF : AISI, ASTM, DIN, JIS, CE , OR THEIR EQUIVALENT	
	Width	30mm	
	Thickness	3mm	
	Weight	0.7065kg/m	
	Length	6m	
9	سیخ چوریدار ۱۴ ملی متر		
	standard	ONE OF : AISI, ASTM, DIN, JIS, CE , OR THEIR EQUIVALENT	
	Material	Steel	
	Plating	Zinc, Zinc plated for moderate corrosion resistance.	
	Thread pitch	2.0mm	
	Item Name	Bolt Rod	
	Bolt Diameter	14mm	
	Rod Length	≥2m	
10	سیخ گول 14 ملی صاف		
	Specification	Mild Steel Plain Round Bar (MS Bar) of structural or intermediate grade conforming to ASTM specification A51 or A615 with a yield strength of not less than 275MPa (N/mm ²) i.e. 40 grade. Reinforcing steel shall be free from flaws or defects. It must be free from rust, grease, pitting, mud, loose scale, mortar or any other foreign, material or materials that may impair the quality.	

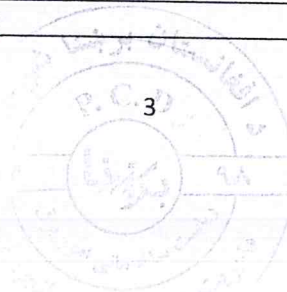
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	Length	6m	
11	سیخ گول صاف 6 ملی بدون رخ برای قلفک		
	Diameter	6 mm	
	Usage/Application	Construction	
	Features	Rust Proof	
	Technique	Hot Rolled	
	Shape	Round	
	Length	6m	
12	نت و بولت 6mmX30mm		
	Material	Steel	
	Plating	Zinc, Zinc plated for moderate corrosion resistance.	
	Thread pitch	1.25mm	
	Diameter	6mm	
	Length	30mm	
	Fully Threaded	YES	
13	HEAD STYLE	HEX	
	نت و بولت 8mmX30mm		
	Material	Steel	
	Plating	Zinc, Zinc plated for moderate corrosion resistance.	
	Thread pitch	1.25mm	
	Diameter	8mm	
	Length	30mm	
14	Fully Threaded	YES	
	HEAD STYLE	HEX	
	نت و بولت 4mmX25mm		
	Material	Steel	
	Plating	Zinc, Zinc plated for moderate corrosion resistance.	
	Thread pitch	1 mm	
	Diameter	4mm	
15	Length	25mm	
	Fully Threaded	YES	
	نت و بولت 10mmX60mm		
	Material	Steel	
	Plating	Zinc, Zinc plated for moderate corrosion resistance.	
	Thread pitch	1.25mm	
	Diameter	10mm	
16	Length	60mm	
	Socket Size / Width across the flats	17mm	
	Fully Threaded	YES	
	HEAD STYLE	HEX	
	نت و بولت 8mmX25mm		
	Material	Steel	
	Plating	Zinc, Zinc plated for moderate corrosion resistance.	
	Thread pitch	1.25mm	

14.06.02

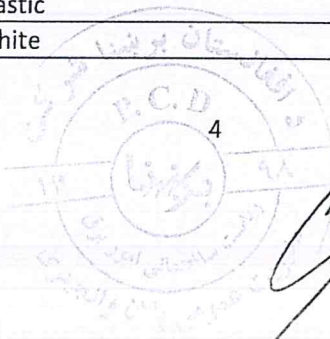


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	Diameter	8mm	
	Length	25mm	
	Fully Threaded	YES	
	HEAD STYLE	HEX	
17	6mmX10mm نت و بولت		
	Material	Steel	
	Plating	Zinc, Zinc plated for moderate corrosion resistance.	
	Thread pitch	1 mm	
	Diameter	6 mm	
	Length	10 mm	
	Fully Threaded	YES	
	HEAD STYLE	HEX	
18	چپراست نکلی برای سویچپورد		
	Standard	ONE OF : AISI, ASTM, DIN, JIS, CE , OR THEIR EQUIVALENT	
	Item Name	Pin tie Hinge-Stainless Steel	
	Height	16mm	
	Length	58mm	
	Pin Diameter	8mm	
	OPTINAL EXTRAS	Hex moth head screws (F-HMHSS-M6x8) Socket head Cap Screws (F-SCS-M6x8-ZP)	
	Material	Standard Steel (hinge) Standard Steel (Pin)	
19	چپراست نکلی برای میتریکس سائز متوسط		
	Standard	ONE OF : AISI, ASTM, DIN, JIS, CE , OR THEIR EQUIVALENT	
	Item Name	Pin tie Hinge-Stainless Steel	
	Height	16 mm	
	Length	58mm	
	Pin Diameter	6 mm	
	OPTINAL EXTRAS	Hex moth head screws (F-HMHSS-M6x8) Socket head Cap Screws (F-SCS-M6x8-ZP)	
	Material	Standard Steel (hinge) Standard Steel (Pin)	
20	چینل پلاستیکی 10x40mm جالی دار برای سویچپورد		
	Material	PVC	
	Width	40mm	
	Thickness	10mm	
	Operating Temperature	-25-50 °C -13-122 °F	
	Slot Type	Open	
	Mounting holes	Single row	
	Color	Grey	
21	بست پلاستیکی		
	Size	Universal	
	Material	Plastic	
	Color	White	

14.06.08



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	Usage	Clipping of flexible wires together	
22	پل بومه 8 ملی اصلی برای فلز		
	Size	8mm	
	Material	High Speed Steel	
	Item Weight	30 g	
	Item Dimensions	11 x 0.8 Cm	
	Working Length	75mm	
	color	golden	

