

COPY

Invitation to Bid No. : ๓.๓๓๒๒.(๑๙.)e-bidding009/2562

Specification No. : R-686/2540

C Material, equipment, and specifications for ELECTRICAL TAPES

C1 General material and packing instructions

Additional to the general instructions, the following shall be observed :

1a Scope

These specifications cover electrical tapes for use in electrical service.

1b Standard

The electrical tapes shall be manufactured and tested in accordance with the latest ASTM, IEC, JIS, TIS, or equivalent; unless otherwise specified in these specifications.

1c Principal requirement

One (1) sample, for each item offered, shall be supplied on the bid closing date; the sample(s) will not be returned.

The bidder has to quote the unit cost of each item offered.

1d Packing

The individual rolls of tapes shall be packed in such a manner that they can easily be separated.

C2 Material and packing data to be given by bidder

For each offered item, the following data shall be submitted :

2a Properties

Note :

- H = High-voltage insulating tape, EPR S = Electrical protecting tape, Silicone
P = Plastic electrical tape, PVC E = Electrical insulation putty tape, Elastic

Properties \ Tapes	H	P	S	E
Standard (IEC, ASTM, UL, JIS, TIS, etc.)				
Dimensions :				
Thickness (mm)
Width (mm)
Length (m)
Operating temperature (°C)
Electrolytic corrosion or Insulation resistance (Ω)	-	-
Volume resistivity (Ω-cm)	-
Ultimate elongation (%)	-	-	-
Water absorption (%)	-	-
Dielectric constant	-	-
Dissipation factor	-	-	-
Penetration at elevated temperature (°C)	-	-	-
Flammability	-	-	-
Exposure to heat ()
Tensile strength, per 10 mm width, per 1 mm thickness (N)	-
Adhesion :	-	-	-
- to steel (N)	-	-	-
- to backing (N)	-	-	-
Shear adhesion (N)
Electric strength (kV/mm)
Colour
Other properties, give details

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2b Packing details

Number of rolls in one package.

Dimensions of each package in cm .

Gross weight of each package in kg .

Net weight of each package in kg .

Number of packages.

If several packages are contained in one big case, further details are required :

Number of packages in each case.

Dimensions of each case in cm .

Volume of each case in m³ .

Gross weight of each case in kg .

Number of cases.

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C3 Schedule of detailed requirement

Item	PEA Material No.	Quantity	Description
1	02180003	-	High-voltage insulating tape, self-fusing EPR (Ethylene Propylene Rubber) based, for outdoor use on insulation and jacketing of splices and terminations of cables up to 69 kV, with : Standard : ASTM or equivalent Thickness : 0.76 mm (0.030") Width : 19 mm (3/4") Length (per roll) : approximately 9 m (30') Operating temperature : up to 90°C, or more
2	02180000	-	PVC plastic electrical tape, for outdoor use, with : Standard : TIS 386 Thickness : 0.125 mm Width : 19 mm Length (per roll) : approximately 10 m Operating temperature : up to 80°C, or more Colour : black See the enclosed Table "Properties of PVC Plastic Electrical Tape, TIS 386".
3	02180001 (1020180001)	61,038 ม้วน	PVC plastic electrical tape , for outdoor use, with : Standard : TIS 386 Thickness : 0.18 mm Width : 19 mm Length (per roll) : approximately 10 m Operating temperature : up to 80°C, or more Colour : black See the enclosed Table "Properties of PVC Plastic Electrical Tape, TIS 386".

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C3 Schedule of detailed requirement

Item	PEA Material No.	Quantity	Description
4	02180002	-	PVC plastic electrical tape, for outdoor use, with : Standard : TIS 386 Thickness : 0.18 mm Width : 19 mm Length (per roll) : approximately 20 m Operating temperature : up to 80 ^o C, or more Colour : black See the enclosed Table "Properties of PVC Plastic Electrical Tape, TIS 386" .
5	02180004	-	Electrical protecting tape, self-fusing silicone rubber based, for outdoor use on protecting splices and end sealing cables from contaminations such as oil, dust, moisture, weather, or sunlight, etc., with : Standard : ASTM or equivalent Thickness : 0.30 mm - 0.60 mm (0.012" - 0.024") Width : 25 mm (1") Length (per roll) : approximately 9 m (30') Operating temperature : up to 180 ^o C, or more

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C3 Schedule of detailed requirement

Item	PEA Material No	Quantity	Description
			<p>การไฟฟ้าส่วนภูมิภาคจะพิจารณาจัดซื้อ/จัดจ้างพัสดุที่ผลิตในประเทศไทย ทั้งนี้หากผู้เสนอราคาพัสดุที่ผลิตในประเทศไทย มีรายละเอียดคุณลักษณะเฉพาะไม่เป็นไปตามข้อกำหนดของการไฟฟ้าส่วนภูมิภาค หรือไม่มีผู้เสนอพัสดุที่ผลิตในประเทศไทย การไฟฟ้าส่วนภูมิภาคจะพิจารณาจัดซื้อ/จัดจ้างพัสดุที่ผลิตจากต่างประเทศต่อไป</p> <p>พัสดุที่ผลิตในประเทศไทย หมายความว่าถึง ผลิตภัณฑ์ที่ผลิตสำเร็จรูปแล้วโดยสถานที่ผลิตตั้งอยู่ในประเทศไทย</p>

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Manufacturer :
 Trade-mark :
 Country of origin :
 Bidder :
 Bid No. :
 Date :

C4 Price schedule

Item	PEA Material No.	Catalogue No.	Description	Quantity	Unit Cost (See details & conditions attached)	Total Cost (See details & conditions attached)
1	02180003		High-voltage insulating tape, self-fusing, EPR based, with : Standard : Thickness : mm Width : mm Length per roll : m Operating temperature :	-		
2	02180000		PVC plastic electrical tape, with : Standard : Thickness : mm Width : mm Length per roll : m Operating temperature :	-		
III						

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Manufacturer :
 Trade-mark :
 Country of origin :
 Bidder :
 Bid No. :
 Date :

C4 Price schedule

Item	PEA Material No.	Catalogue No.	Description	Quantity	Unit Cost (See details & conditions attached)	Total Cost (See details & conditions attached)
3	02180001 (1020180001)		PVC plastic electrical tape, for outdoor use, with : Standard : Thickness : mm Width : mm Length per roll : m Operating temperature : Colour :	61,038 ม้วน		
4	02180002 III		PVC plastic electrical tape, for outdoor use, with : Standard : Thickness : mm Width : mm Length per roll : m Operating temperature : Colour :	-		

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Bid No.:
Date :

C4 Price schedule

Item	PEA Material No.	Catalogue No.	Description	Quantity	Unit Cost (See details & conditions attached)	Total Cost (See details & conditions attached)
5	02180004		Electrical protecting tape, self-fusing silicone rubber based, with : Standard : Thickness : mm Width : mm Length per roll : m Operating temperature : หมายเหตุ - กำหนดจุดจัดส่งที่ แผนกคลังพัสดุ การไฟฟ้าส่วนภูมิภาคจังหวัดยะลา - กำหนดส่งมอบงวดเดียวภายใน 60 วัน นับถัดจากวันที่ผู้ขายลงนามในสัญญา และภายในงวดสามารถทยอยจัดส่งได้	-		
	III					