CERTIFICATE OF INSPECTION

CLIENT : Phelps Dodge International (Thailand) Ltd.

159 Moo 10 Soi Watratburana Teparak Road, Bangpla, Bangplee, Samutprakarn 10540

ITEM INSPECTED 600V CU/XLPE/AWA/FRPVC (ST2) 1X400 SQ.MM.

PLACE OF INSPECTION : - Phelps Dodge International (Thailand) Ltd. 159 Moo 10 Soi Watratburana Teparak Road,

Bangpla, Bangplee, Samutprakarn 10540

- Phelps Dodge International (Thailand) Ltd. 9/9 Moo 4, Tambol Nikompattana, Amphur Nikompattana, Rayong 21180

SCOPE OF INSPECTION : Witness Electrical Type Test & Non Electrical Type Test

PERSON CONTACT Mr. Warapong Atthirawong

- August 1, 8, 11 & 18, 2011

SGS INSPECTOR Mr. Nirun Sadjuntuke

- Mr. Pornchai Lertwattanakiti

This is to certify that at the request of Phelps Dodge International (Thailand) Ltd., SGS attended the premises of Phelps Dodge International (Thailand) Ltd. Bangplee, Samutprakarn for the purpose of witness type test we report as follows:-

MATERIAL DATA

Description of the test object

Shipping Reel No.

Type : 600V CU/XLPE/AWA/FRPVC (ST2) 1X400 SQ.MM.

Year of Manufacture : 2011 Quantity submitted : 50 m

Rated voltage, Uo/U (Um) : 0.6/1 (1.2) kV

Conductor material : Copper Nominal cross-section area : 400 sq.mm.

No. of core : 2005 Section 2005 Section

Insulation scaesessessesses is a seasossesses seasossesses seasos XLPE seasosses seasos XLPE seasosses seasos seas

Separation sheath Separation s

Marking on the cable : 0.6/1KV XLPE/AWA/FRPVC 1X400 SQ.MM.

IEC 60502-1, PHELPS DODGE 2011

Specification : AS per IEC 60502-1/PDTL

SGS (Thailand) Limited.

Industrial Services and Technical Staff Services 100 Nanglinchee Road, Chongnonsee Yannawa, Bangkok 10120. Thailand TEL :66 2 678 18 13 FAX : 66 2 678 15 04

E-Mail: industry.thailand@sgs.com

Page 1 of 18 Pavarisa Sae-ngow

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CERTIFICATE OF INSPECTION

CLIENT : Phelps Dodge International (Thailand) Ltd.

159 Moo 10 Soi Watratburana Teparak Road, Bangpla, Bangplee, Samutprakarn 10540

ITEM INSPECTED 600V CU/XLPE/SWA/FRPVC (ST2) 2X2.5+2.5 SQ.MM.

PLACE OF INSPECTION : - Phelps Dodge International (Thailand) Ltd. 159 Moo 10 Soi Watratburana Teparak Road,

Bangpla, Bangplee, Samutprakarn 10540

- Phelps Dodge International (Thailand) Ltd.

9/9 Moo 4, Tambol Nikompattana, Amphur Nikompattana, Rayong 21180

SCOPE OF INSPECTION : Witness Electrical Type Test & Non Electrical Type Test

PERSON CONTACT Mr. Warapong Atthirawong

DATE OF INSPECTION - July 13, 21 & 29, 2011

- August 1, 8, 11 & 18, 2011

SGS INSPECTOR Mr. Nirun Sadjuntuke

- Mr. Pornchai Lertwattanakiti

This is to certify that at the request of Phelps Dodge International (Thailand) Ltd., SGS attended the premises of Phelps Dodge International (Thailand) Ltd. Bangplee, Samutprakarn for the purpose of witness type test we report as follows:-

MATERIAL DATA

Description of the test object

Shipping Reel No.

Type : 600V CU/XLPE/SWA/FRPVC (ST2) 2X2.5+2.5 SQ.MM.

Year of Manufacture : 2011 Quantity submitted : 50 m

Rated voltage, Uo/U (Um) : 0.6/1 (1.2) kV Conductor material : Copper

Nominal cross-section area : 2.5 sg.mm. for phase core and ground core

No. of core Secretaria Secretaria

Insulation

Separation sheath accesses accesses accesses FRPVC (ST2)

Armouring : Galvanized steel wire

Outer sheath : FRPVC (ST2)

Marking on the cable : 0.6/1KV XLPE/SWA/FRPVC 2X2.5+2.5 SQ.MM.

IEC 60502-1, PHELPS DODGE 2011

Specification : AS per IEC 60502-1/PDTL

SGS (Thailand) Limited.

Industrial Services and Technical Staff Services 100 Nanglinchee Road, Chongnonsee Yannawa, Bangkok 10120. Thailand TEL:66 2 678 18 13 FAX: 66 2 678 15 04

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BANGKOK: 25/08/2011

CERTIFICATE OF INSPECTION

CLIENT

Phelps Dodge International (Thailand) Ltd. 159 Moo 10 Soi Watratburana Teparak Road,

Bangpla, Bangplee, Samutprakarn 10540

ITEM INSPECTED 600V CU/XLPE/AWA/FRPVC (ST2) 1X95 SQ.MM.

PLACE OF INSPECTION - Phelps Dodge International (Thailand) Ltd. 159 Moo 10 Soi Watratburana Teparak Road,

Bangpla, Bangplee, Samutprakarn 10540 - Phelps Dodge International (Thailand) Ltd.

9/9 Moo 4, Tambol Nikompattana, Amphur Nikompattana, Rayong 21180

SCOPE OF INSPECTION Witness Electrical Type Test & Non Electrical Type Test

PERSON CONTACT Mr. Warapong Atthirawong

DATE OF INSPECTION - July 13, 21 & 29, 2011 - August 1, 8, 11 & 18, 2011

SGS INSPECTOR - Mr. Nirun Sadjuntuke

- Mr. Pornchai Lertwattanakiti

This is to certify that at the request of Phelps Dodge International (Thailand) Ltd., SGS attended the premises of Phelps Dodge International (Thailand) Ltd. Bangplee, Samutprakarn for the purpose of witness type test we report as follows:-

MATERIAL DATA

Description of the test object

Shipping Reel No.

Type 600V CU/XLPE/AWA/FRPVC (ST2) 1X95 SQ.MM.

Year of Manufacture 2011 **Quantity submitted** 50 m

Rated voltage, Uo/U (Um) 0.6/1 (1.2) kV

Conductor material Copper Nominal cross-section area 95 sq.mm. No. of core 1 Core

Insulation **XLPE** Separation sheath FRPVC (ST2)

Armouring Aluminum wire **Outer sheath** FRPVC (ST2)

0.6/1 KV XLPE/AWA/FRPVC 1X95 SQ.MM. Marking on the cable IEC 60502-1, PHELPS DODGE 2011

Specification AS per IEC 60502-1/PDTL

SGS (Thailand) Limited.

Industrial Services and Technical Staff Services 100 Nanglinchee Road, Chongnonsee Yannawa, Bangkok 10120. Thailand TEL:66 2 678 18 13 FAX: 66 2 678 15 04

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CERTIFICATE OF INSPECTION

CLIENT : Phelps Dodge International (Thailand) Ltd.

159 Moo 10 Soi Watratburana Teparak Road, Bangpla, Bangplee, Samutprakarn 10540

ITEM INSPECTED : 600V CU/XLPE/CTS/SWA/FRPVC (ST2) 2X2.5+2.5 SQ.MM.

PLACE OF INSPECTION : - Phelps Dodge International (Thailand) Ltd.
159 Moo 10 Soi Watratburana Teparak Road,
Bangpla, Bangplee, Samutprakarn 10540

- Phelps Dodge International (Thailand) Ltd.

9/9 Moo 4, Tambol Nikompattana, Amphur Nikompattana, Rayong 21180

SCOPE OF INSPECTION : Witness Electrical Type Test & Non Electrical Type Test

PERSON CONTACT

Mr. Warapong Atthirawong

DATE OF INSPECTION SESSESSES July 13, 21 & 29, 2011

- August 1, 8, 11 & 18, 2011

SGS INSPECTOR

- Mr. Pornchai Lertwattanakiti

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MATERIAL DATA

Description of the test object

Shipping Reel No.

Type : 600V CU/XLPE/CTS/SWA/FRPVC (ST2) 2X2.5+2.5 SQ.MM.

Year of Manufacture : 2011 Quantity submitted : 50 m

Rated voltage, Uo/U (Um) : 0.6/1 (1.2) kV

Conductor material : Copper

Nominal cross-section area : 2.5 sq.mm. for phase core and ground core

No. of core Sessesses Sessesses Phase cores and 1 ground core

Separation sheath cosessessessessessessessessessessesses FRPVC (ST2)
Shielding Copper tape

Armouring : Galvanized steel wire

Outer sheath : FRPVC (ST2)

Marking on the cable : 0.6/1KV XLPE/CTS/SWA/FRPVC 2X2.5+2.5 SQ.MM.

IEC 60502-1, PHELPS DODGE 2011

Specification : AS per IEC 60502-1/PDTL

SGS (Thailand) Limited.

Industrial Services and Technical Staff Services 100 Nanglinchee Road, Chongnonsee Yannawa, Bangkok 10120. Thailand TEL :66 2 678 18 13 FAX : 66 2 678 15 04

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BANGKOK: 25/08/2011

CERTIFICATE OF INSPECTION

CLIENT Phelps Dodge International (Thailand) Ltd.

159 Moo 10 Soi Watratburana Teparak Road,

Bangpla, Bangplee, Samutprakarn 10540

ITEM INSPECTED 600V CU/XLPE/SWA/FRPVC (ST2) 4X150+95 SQ.MM.

PLACE OF INSPECTION - Phelps Dodge International (Thailand) Ltd. 159 Moo 10 Soi Watratburana Teparak Road,

Bangpla, Bangplee, Samutprakarn 10540

- Phelps Dodge International (Thailand) Ltd.

9/9 Moo 4, Tambol Nikompattana, Amphur Nikompattana, Rayong 21180

SCOPE OF INSPECTION Witness Electrical Type Test & Non Electrical Type Test

PERSON CONTACT Mr. Warapong Atthirawong

DATE OF INSPECTION - July 13, 21 & 29, 2011

- August 1, 8, 11 & 18, 2011

SGS INSPECTOR - Mr. Nirun Sadjuntuke

Mr. Pornchai Lertwattanakiti

This is to certify that at the request of Phelps Dodge International (Thailand) Ltd., SGS attended the premises of Phelps Dodge International (Thailand) Ltd. Bangplee, Samutprakarn for the purpose of witness type test we report as follows:-

MATERIAL DATA

Description of the test object

Shipping Reel No.

600V CU/XLPE/SWA/FRPVC (ST2) 4X150+95 SQ.MM. Type

Year of Manufacture 2011 **Quantity submitted** 50 m

Rated voltage, Uo/U (Um) 0.6/1 (1.2) kV

Conductor material Copper

Nominal cross-section area 150 sq.mm. for phase core and 95 sq.mm. for ground core

No. of core 4 Phase cores and 1 ground core

Insulation **XLPE**

Separation sheath FRPVC (ST2)

Armouring Galvanized steel wire

FRPVC (ST2) **Outer sheath**

0.6/1KV XLPE/SWA/FRPVC 4X150+95 SQ.MM. Marking on the cable

IEC 60502-1, PHELPS DODGE 2011

Specification AS per IEC 60502-1/PDTL

SGS (Thailand) Limited.

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