



# Product Active List

PRODUCT APPROVAL SECTION

Updated: November 2015

DCRP/PA/PAL/2015/05

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## 1. Approved Product List

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A large, faint background graphic consisting of a central blue sphere with a white highlight, surrounded by eight yellow diamond shapes arranged in a circular pattern. A light blue orbital path loops around the central sphere.

# 1.1. Switchgears

# DCRP

### 1.1.1: 33 KV Outdoor Switchgears

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	AREVA T&D	INDIA	AREVA T&D	LIVE TANL MODEL GL309	29/01/2011
2	SIEMENS LTD	INDIA	SIEMENS LLC		07/10/2013

### 1.1.2: Indoor Switchgears

#### a. 33 KV

Sr.	Manufacturer	Country of Origin	Supplier/ Agent	Remarks	Date of Approval
1	Siemens	INDIA	Siemens LLC	<b>Under-Recall</b>	03/10/2006
2	Schneider Electric	TURKEY	Schneider Electric	Air Insulated Switchgear Model: F400	01/11/2007
3	Ormazabal GI	SPAIN	ONEIC	Hybrid (Solid/ Gas) insulated Switchgear Models: CPG.0 & CPG.1	17/06/2009
4	Siemens AG	GERMANY	Siemens LLC	Gas Insulated Switchgear MODEL: 8DA10	20/12/2011
5	ABB Electric Sanayi A.S	TURKEY	ABB LLC	Air Insulated Switchgear MODEL UNISAFE-36, TRADE NAME UNIGEAR ZS-2	03/12/2012
6	Schneider Electric SACHSENWERK GmbH	GERMANY	Schneider Electric	Gas insulated Switchgear MODEL WSA-36	04/03/2013

#### b. 11 KV

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Siemens AG	GERMANY	Siemens LLC	Gas Insulated Switchgear Model: NXPLUS-C	20/12/2011
2	Jyoti Sohar	OMAN	Jyoti Sohar	Air insulated Switchgear Model: PH-700 & PH 800	12/02/2014
3	Toshiba TDS Asia SDN	MALAYSIA	Great Masa Trading & Technical Services	Air insulated Switchgear Model: HV 12	15/12/2014
4	Tavrida Electric	ESTONIA	National Power & Water LLC	Air insulated Switchgear Model: SG15-MILE	25/10/2015



A large, faint background graphic consisting of a central light blue sphere, a light blue orbital ring, and several yellow diamond shapes arranged in a pattern around the sphere.

# 1.2. Transformers

DCRP

### 1.2.1: Power Transformers (1, 3 & 6 MVA; 33/11.5 KV)

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Emirates Transformers & Switchgear	U.A.E	Nasser & Saif Trading Co.	Under-Recall	11/05/1994
2	Al Jizzi Transformers & Switchgear CO.LLC	OMAN	ITSELF		25/12/2006
3	VOLTAMP Transformers	OMAN	ITSELF	Under-Recall	22/12/1999

### 1.2.2: Power Transformers (10 & 20 MVA; 33/11.5 KV)

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Transformers And Electricals Kerala Limited	INDIA	Al Hassan Electricals	Under-Recall	10/09/1994
2	Emirates Transformers & Switchgear	U.A.E	Nasser & Saif Trading Co.	Under-Recall	11/05/1994
3	Crompton Greaves	INDIA	Trade Links & Services	Under-Recall	16/06/2003
4	Emirates Transformers & Switchgear	U.A.E	Nasser & Saif Trading Co.	20 MVA	17/04/2007
5	Sanil Electric Co Ltd	KOREA	Atlas international engineering services	20 MVA	21/11/2010
6	VOLTAMP Transformers	OMAN	ITSELF	20 MVA	20/12/2011
7	VOLTAMP Transformers	OMAN	ITSELF	10 MVA	22/05/2012
8	ABB Limited	INDIA	ABB LLC, Oman	20 MVA with ABB OLTC	21/05/2014





1.2.3: Distribution Transformers (100, 200, 315, 500, 1000 KVA; 33/0.433 KV & 11/0.433 KV)

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Emirates Transformers & Switchgear	U.A.E.	Nasser & Saif Trading Co.	Under-Recall	08/01/1992
3	VOLTAMP Transformers LTD.	OMAN	ITSELF	Under-Recall	1993
4	Al Jizzi Transformers & Switchgear CO.LLC	OMAN	ITSELF	Under-Recall	13/09/2000
5	United Transformers Electric Company	KSA	United Engineering Projects Company LLC	Under-Recall	24/02/2008
6	The Saudi Transformers Company	KSA	Bin Salim Enterprises	Voltage rate: 11/0.433 KV	14/06/2015



A large, faint background graphic consisting of a central blue sphere with a white highlight, surrounded by several yellow diamond shapes arranged in a circular pattern. A light blue orbital ring encircles the central sphere.

# 1.3. Ring Main Unit

DCRP

### 1.3.1: Oil Type

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Lucy Switchgear	UK	Bin Salim Enterprises LLC	Under-Recall	02/04/1989
2	Al Asr Electrical & Electronic Industries	OMAN	ITSELF		05/07/2009

### 1.3.2: SF6 Type

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Schneider	UK	Zubair Electric CO.		03/10/2006
2	Lucy Switchgear	UAE	Bin Salim Enterprises LLC		05/07/2009

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A large, faint background graphic consisting of a central blue sphere, a light blue orbital ring, and several yellow diamond shapes arranged in a pattern around the sphere.

# 1.4. Capacitor Banks

DCRP

Sr.	Manufacturer	Country of Origin	Supplier / Agent	Remarks	Date of Approval
1	Power Economy Middle East CO	UAE	Al Murad International EST		01/06/2009
2	Suvire Electric FZE	UAE	Al Assar Electric LLC		03/04/2013

### 1.4.1: Capacitor Banks (11 KV)

Sr.	Manufacturer	Country of Origin	Supplier / Agent	Remarks	Date of Approval
1	Power Economy Middle East CO	UAE	Power Economy Oman LLC		14/05/2015

### 1.4.2: Capacitor Banks (33 KV)

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A large, faint background graphic consisting of a central light blue sphere, a light blue orbital ring, and several yellow diamond shapes arranged in a pattern around the sphere.

# 1.5. Auto-Reclosers

DCRP

### 1.5.1: (11 KV) Auto-Reclosers

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Cooper Power System	USA	General Electronics & Trading CO.	Under-Recall	-
2	Schneider (NULEC)	AUSTRALIA	Al Hassan Electricals	Under-Recall	12/10/2002
3	Tavrida Electric	ESTONIA	Zubair Electric		19/02/2011
4	P & C Technology	KOREA	Global Corp Enterprise		10/12/2013
5	Noja Power Switchgear	AUSTRALIA	Rukun Al-Yaqeen International		06/07/2015

### 1.5.2: (33 KV) Auto-Reclosers

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Schneider (NULEC)	AUSTRALIA	Al Hassan Electricals	Under-Recall	12/10/2002
2	Noja Power Switchgear	AUSTRALIA	Rukun Al-Yaqeen International		07/10/2013



A large, faint background graphic consisting of a central blue circle surrounded by eight yellow diamond shapes arranged in a circular pattern. A light blue swoosh line curves around the central circle.

# 1.6. Distribution Feeder Pillars

# DCRP



### 1.6.1: 1600 A, 8 Ways Feeder Pillars

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Al Rebou Elect. Switchgear Assembly	UAE	Al Rebou Electrical & Building Materials	New Specification Approval	14/05/2015
2	Urich Switchgear Manufacturing Co.	OMAN	ITSELF	New Specification Approval	05/10/2015

### 1.6.2: 800 A, 6 Ways Feeder Pillars

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Urich Switchgear Manufacturing Co.	OMAN	ITSELF	New Specification Approval	14/05/2015
2	Al Hassan Switchgear Co.	OMAN	ITSELF	New Specification Approval	25/10/2015

### 1.6.3: 400 A, 6 Ways Mini-Feeder Pillars

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Urich Switchgear Manufacturing Co.	OMAN	ITSELF	New Specification Approval	14/05/2015
2	Al Rebou Elect. Switchgear Assembly	UAE	Al Rebou Electrical & Building Materials	New Specification Approval	14/05/2015
3	VOLTAMP Energy	OMAN	ITSELF	New Specification Approval	22/07/2015
4	Al Hassan Switchgear Co.	OMAN	ITSELF	New Specification Approval	05/10/2015

### 1.6.4: 400 A CUTOUT BOX with "J" TYPE FUSE

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	VOLTAMP Manufacturing CO	OMAN	ITSELF	Under-Recall	22/09/1987
2	ASIATIC Electrical & Switchgear	INDIA	Al Siraj Al Arabi Trading & Cont.	Under-Recall	22/09/1987
3	Star Lights LLC	OMAN	ITSELF		21/11/2010

A decorative background consisting of a large, faint yellow diamond shape with a light blue circle in the center, surrounded by a light blue swoosh line.

# 1.7. UG Cables & Accessories

DCRP

### 1.7.1: 33 KV XLPE Cables

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Riyadh Cables	KSA	Gulf National Electrical Cables	Under-Recall	03/08/1988
2	Oman Cables Industry	OMAN	Oman Cable	Under-Recall	25/12/2004
3	Nuhas Oman	OMAN	ITSELF		08/04/2009
4	Phelps Dodge International Thailand LTD	Thailand	General Cables Oman		18/09/2014

### 1.7.2: 11 KV XLPE Cables

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Riyadh Cables	KSA	Gulf National Electrical Cables	Under-Recall	03/08/1988
2	Oman Cables Industry	OMAN	Oman Cable Industry	Under-Recall	12/05/2004
3	Nuhas Oman	OMAN	ITSELF		08/04/2009
4	Gulf Cables & Electrical Industry	KUWAIT	ITSELF	Under-Recall	21/10/2012
5	Phelps Dodge International Thailand LTD	THAILAND	General Cables Oman		18/09/2014

### 1.7.3: LV XLPE Cables

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Riyadh Cables	KSA	Gulf National Electrical Cables	Under-Recall	03/08/1988
2	Oman Cables Industry	OMAN	Oman Cable Industry	Under-Recall	22/01/1996
3	Elsawedy Group Of Companies	EGYPT	Sadeem International LLC		10/07/2007
4	Nuhas Cables	OMAN	ITSELF		03/12/2008
5	Pakistan Cables Limited	PAKISTAN	General Cables Oman		22/05/2012
6	Power Plus Cable Company	UAE	DELTA CO		17/05/2012
7	Phelps Dodge International Thailand LTD	THAILAND	General Cables Oman		18/09/2014
8	Bahra Advanced Cable Co Ltd	KSA	Al-Barami Building Material & Trading		18/09/2014
9	Doha Cables	Qatar	Doha Cables LLC		15/12/2014


### 1.7.4: Cable Protection Tiles & Caution Tape

Sr.	Manufacturer	Country of Origin	Supplier/Agents	Remarks	Date of Approval
1	Al Samir Plastic IND	U.A.E.	Bahwan Engineering CO.	Under-Recall	15/11/1999
2	Sparco Multiplast Pvt. Ltd.	INDIA	Al Munawara LLC		28/07/2008
3	Shri Ambica Plastic Industries	INDIA	Golden International Est. LLC		12/03/2008
4	Centriforce Products Limited	UK	ITSELF		08/09/2010
5	Abraj Al Buraimi Trad. Co	Oman	Al Kiyumi Electric & Trading Co.		24/02/2014

### 1.7.5: Cable Management System:

Sr.	Manufacturer	Country of Origin	Suppliers/agents	Remarks	Date of Approval
1	Gersan Elektrik CO	Turkey	ITSELF		21/11/2010
2	Tekompuk	Turkey	ITSELF		20/12/2011

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A large, faint background graphic consisting of a central blue sphere with a light blue orbital path, surrounded by several yellow diamond shapes arranged in a grid-like pattern.

# 1.8. Conductors & Accessories

DCRP

### 1.8.1: ACSR Conductors

Sr.	Manufacturer	Country of Origin	Supplier/Agents	Remarks	Date of Approval
1	Midal Cables	BAHRAIN	Bahwan Engineering CO.		14/05/2015
2	Riyadh Cables	K.S.A.	Gulf National Electrical Cables	Under-Recall	07/04/1988
3	Oman Cable Industry	OMAN	Oman Cable Industry	Under-Recall	12/02/1995
4	Elsewedy Group Of Companies	EGYPT	Sadeem International LLC		10/07/2007
5	Oman Aluminum Processing Industries	OMAN	ITSELF	WOLF & PANTHER	25/08/2012

### 1.8.2: XLPE AL Conductors

Sr.	Manufacturer	Country of Origin	Supplier/Agents	Remarks	Date of Approval
1	Riyadh Cables	K.S.A.	Gulf National Electrical Cables	Under-Recall	07/04/1988
2	Oman Cable Industry	OMAN	Oman Cable Industry	Under-Recall	15/03/1995
3	Elsewedy Group Of Companies	EGYPT	ITSELF	AACC (1x50 & 1x70)	10/07/2007

### 1.8.3: AAA Conductors

Sr.	Manufacturer	Country of Origin	Supplier/Agents	Remarks	Date of Approval
1	Midal Cables	BAHRAIN	Bahwan Engineering CO.		14/05/2015
2	Riyadh Cables	K.S.A.	Gulf National Electrical Cables	Under-Recall	07/04/1988
3	Oman Cables Industry	OMAN	ITSELF	Under-Recall	12/02/1995
4	Oman Aluminum Processing Industries	OMAN	ITSELF		25/08/2012

### 1.8.4: OHL Hardware

Sr.	Manufacturer	Country of Origin	Supplier/Agents	Remarks	Date of Approval
<b>A) ANTI CLIMING DEVICE</b>					
1	KSE Electrical	INDIA	Global Corp Enterprises		14/05/2015
<b>B) 4 BOLT TENSION CLAMP</b>					
1	Nanjing "Ningxian" Electric	CHINA	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	26/02/1990
2	Supreme & Co. Pvt. Ltd.	INDIA	AI Basam Enterprises		28/07/2008
3	KSE Electrical	INDIA	Global Corp Enterprises		14/05/2015
<b>C) CROSS ARM FOR 11 &amp; 33 KV</b>					
1	KSE Electrical	INDIA	Global Corp Enterprises		14/05/2015
<b>D) TIE BRACKETS FOR 11 &amp; 33 KV</b>					
1	KSE Electrical	INDIA	Global Corp Enterprises		14/05/2015
<b>E) CABLE SUPPORT CHANNEL</b>					
1	KSE Electrical	INDIA	Global Corp Enterprises		14/05/2015
<b>F) TRANSFORMER SUPPORT CHANNEL</b>					
1	KSE Electrical	INDIA	Global Corp Enterprises		14/05/2015
<b>G) PILOT PLATE</b>					
1	KSE Electrical	INDIA	Global Corp Enterprises		14/05/2015
<b>H) GUSSET PLATE</b>					
1	KSE Electrical	INDIA	Global Corp Enterprises		14/05/2015
<b>I) ADJUSTABLE ARCING HORNS FOR O.O FUSE UNIT</b>					
1	KSE Electrical	INDIA	Global Corp Enterprises		14/05/2015
<b>J) BOLT FOR REEL INSULATOR</b>					
1	KSE Electrical	INDIA	Global Corp Enterprises		14/05/2015
2	CECEC	CHINA	Golden International Est. LLC	Under-Recall	18/04/1991

### 1.8.5: Stay Set Materials

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
<b>A) STAYWIRE LT &amp; HT</b>					
1	Tianijan Liaoyuan Iron Strands Factory	CHINA	Golden International Est. LLC		08/04/2009
2	KSE Electrical	INDIA	Global Corp Enterprises		14/05/2015
<b>B) POLE TOP MAKE OFF &amp; GUY GRIP END ( LT &amp; HT)</b>					
1	Aprisa	SPAIN	Golden International Est. LLC	Under-Recall	04/09/1989
2	Supreme	INDIA	AI Basam Enterprises	Under-Recall	28/04/2001
3	KSE Electrical	INDIA	Global Corp Enterprises		14/05/2015
<b>C) STAY ROD SET (LT &amp; HT)</b>					
1	KSE Electrical	INDIA	Global Corp Enterprises		14/05/2015
2	Supreme	INDIA	AI Basam Enterprises	Under-Recall	28/04/2001

DCRP



# 1.9. Cable Terminations & Joints

DCRP

### 1.9.1: Heat & Cold shrink Terminations & Joints

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Raychem	UK	Zawawi Trading Co.	Under-Recall	--
2	3M Corporation ( LV Only)	U.S.A	Bahwan Engineering CO.	Under-Recall	28/04/2001
3	3M Corporation - HV Cold Shrinkable Terminations	U.S.A	Bahwan Engineering CO.	Under-Recall	20/05/2002
4	Gala Thermo Shrink Pvt Ltd	INDIA	Golden International Est. LLC	11KV & LV	10/05/2011
5	Shrink Polymer System	UK	Shrink Polymer System Oman	11KV & LV	12/03/2013
6	Elestmold	EGYPT	Thilal Al Katheeb	11 KV	14/05/2015

### 1.9.2: Plug in Terminations inner cone & outer cone for GIS

Sr.	Manufacturer	Country of Origin	Supplier/Agents	Remarks	Date of Approval
1	Tyco Electronics (Raychem)	GERMANY	Zawawi Trading Co.		20/12/2011

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A large, faint background graphic consisting of a central blue sphere surrounded by eight yellow diamond shapes arranged in a circular pattern, with a light blue orbital path looping around the central sphere.

# 1.10. Insulators

# DCRP

### 1.10.1: Porcelain Insulators

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date for Approval
<b>A) DISC INSULATORS - COMPLYING WITH OES-1</b>					
1	Jiangxi Oceangoing Export Electric Porcelain & Electrical Equipment	CHINA	CIVILCO		29/04/2008
<b>B) LINE POST TOP INSULATORS (11 &amp; 33KV) COMPLYING WITH OES-1</b>					
1	Sui-Xi Electro Ceramic	CHINA	Golden International Est. LLC	Under-Recall	23/07/1990
2	Jiangxi Oceangoing Export Electric Porcelain & Electrical Equipment Company Ltd.	CHINA	CIVILCO		29/04/2008
<b>C) SHACKLE INSULATORS FOR L.T. COMPLYING WITH OES-3</b>					
1	LILING High Voltage Insulator Factory	CHINA	Golden International Est. LLC	Under-Recall	15/02/1989
2	Jiangxi Oceangoing Export Electric Porcelain & Electrical Equipment Company Ltd.	CHINA	CIVILCO		29/04/2008
<b>D) L.T. STAY INSULATOR SETS</b>					
1	LILING High Voltage Insulator Factory	CHINA	Golden International Est. LLC	Under-Recall	25/09/1989
2	Jiangxi Oceangoing Export Electric Porcelain & Electrical Equipment Company Ltd	CHINA	CIVILCO		29/04/2008
<b>E) 11 KV, STAY INSULATOR SET COMPLYING WITH OES-1</b>					
1	LILING High Voltage Insulator Factory	CHINA	Golden International Est. LLC	Under-Recall	06/10/1988
2	Jiangxi Oceangoing Export Electric Porcelain & Electrical Equipment Company Ltd.	CHINA	CIVILCO		29/04/2008
<b>F) 33KV, STAY INSULATOR SET COMPLYING WITH OES-1</b>					
1	HUGHES (30,000 LBS. STRENGTH)	U.S.A.	Golden International Est. LLC	Under-Recall	12/10/1987
2	PERMALI	U.K.	Golden International Est. LLC	Under-Recall	29/09/1987
<b>G) 33 KV FIBER GLASS ROD STAY INSULATOR</b>					
1	SSB Industries	INDIA	Universal Engineering Services	Under-Recall	20/04/1992



# 1.11. Air Break Switches & Fuses

DCRP

### 1.11.1: Air Break Switches

#### a. 11 KV

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Morrisline Equipment	UK	Bahwan Engineering CO.	Under-Recall	20/08/1987
2	Gevea	SWEDEN	Al Hassan Electricals		11/07/2006

#### b. 33 KV

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Morrisline Equipment	UK	Bahwan Engineering CO.	Under-Recall	20/08/1987
2	Gevea	SWEDEN	Al Hassan Electricals		11/07/2006

### 1.11.2: Drop-out fuses (11 KV) with arching horns

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Morrisline Equipment	U.K.	Bahwan Engineering CO.	Under-Recall	29/09/1987
2	Al Asr Electrical & Electronic Industries	OMAN	ITSELF	Under-Recall	29/05/2002

### 1.11.3: House service fuse links (80 & 100 A)

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Lawson EST	UK	Development Services	Under-Recall	22/06/1992

A decorative background graphic consisting of a central light blue sphere with a white highlight, surrounded by eight yellow diamond shapes arranged in a circular pattern. A light blue orbital line loops around the central sphere and diamonds.

# 1.12. Consumer Units & Accessories

DCRP

### 1.12.1: Metering Panels (Single & Three Phase)

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	VOLTAMP Manufacturing Co	OMAN	ITSELF	Under-Recall	06/12/1988
2	Sharikat Fanniya Omania	OMAN	ITSELF	Under-Recall	11/01/1989
3	Al Hassan Switchgear Manufacturing Co.	OMAN	Al Hassan Electricals	Under-Recall	02/03/1991
4	Al Mohsin Electricals	OMAN	ITSELF	Under-Recall	24/09/2002
5	Talent Electric Services	OMAN	ITSELF		04/03/2013

### 1.12.2: Energy Meters (Electromagnetic, Single & Three Phase)

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Al Asr. Electrical & Electronic Industries	OMAN	ITSELF	Under-Recall	17/11/1998
2	India Meters	INDIA	Trade Links & Services	Under-Recall	23/10/1999
3	Al Asr Electrical & Electronic Industries	OMAN	ITSELF	Under-Recall	08/01/2002
4	Iskara	YUGOSLAVIA	Al Hassan Electricals	Under-Recall	16/03/1987

DCRP



A large, faint background graphic consisting of several yellow lightning bolts arranged in a circular pattern, with a light blue circular highlight in the center. A light blue swoosh line curves around the bolts.

# 1.13. Lightning Arrestors

Large, stylized, semi-transparent letters spelling "DCRP" in a light blue and yellow color scheme, positioned at the bottom center of the page.

# DCRP

### 1.13.1: 11 Lightning Arrestors (GAP TYPE) with POLYMERIC INSULATION

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Cooper Power Systems	U.S.A	General Electronics & Trading Co.	Under-Recall	23/07/2001
2	ABB Switzerland LTD	Switzerland	ABB LLC	Model: POLIM-D 10-05	15/12/2014

### 1.13.2: 33 KV Lightning Arrestors (GAP TYPE) with POLYMERIC INSULATION

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Cooper Power Systems	U.S.A	General Electronics & Trading Co.	Under-Recall	23/07/2001



A large, faint background graphic consisting of a central blue sphere surrounded by eight yellow diamond shapes arranged in a circular pattern. A light blue orbital path loops around the central sphere.

# 1.14. Electrical Poles

# DCRP

### 1.14.1: Wooden Poles

Sr.	Manufacturer	Country of Origin	Supplier/agent	Remarks	Date of Approval
1	Fintrepo	FINLAND	Bahwan Engineering CO.	Under-Recall	22/12/1986
2	Rundvirke	SWEDEN	Golden International Est. LLC	Under-Recall	-
3	Impregnierwerk Wulknitz	Germany	Global Corp Enterprises		13/06/2007
4	Pinar OY	FINLAND	Bin Salim Enterprises		15/12/2014

### 1.14.2: Concrete Poles

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Euro Poles Middle East	OMAN	ITSELF		20/12/2011
2	Oman Poles	OMAN	ITSELF		05/10/2015

DCRP

A large, faint background graphic consisting of a central blue sphere surrounded by several yellow diamond shapes, all enclosed within a light blue orbital ring.

# 1.15. Relays

# DCRP

### 1.15.1: Protection Relays

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	SEL Protective Relays & Control System	USA	SEL Middle East		10/09/2006
2	Siemens Protection Relay	Germany & UK	Siemens Abu Dhabi		09/04/2007
3	ALSTOM Grid	UK	Mohsin Haider Darwish LLC	Model: MICOM/AGILE Px4x Relay	10/11/2014
4	ABB OY	FINLAND	ABB Oman	RELION series	05/10/2015

### 1.15.2: Auxiliary Relays

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Electrotecnica ARTECHE Smart Grid	Spain	Trade Links & Services CO LLC		18/09/2014
2	Relay Monitoring Systems (RMS)	Australia	Power Economy Oman LLC		14/05/2015

DCRP

A large, faint background graphic consisting of a central blue sphere with a light blue ring orbiting it, surrounded by several yellow diamond shapes arranged in a circular pattern.

# 1.16. Other Products

# DCRP

### 1.16.1: Electrical Signs & Numbering Plates

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
<b>A) DANGER PLATE &amp; SUBSTATION IDENTIFICATION PLATE</b>					
1	National Trading CO	OMAN	ITSELF		05/10/2015
<b>B) NUMBERING PLATES</b>					
1	National Trading CO	OMAN	ITSELF		05/10/2015

### 1.16.2: Earth Rod & Accessories

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Gersan Elektrik CO	Turkey	Sohar Industrial & Supply Est		19/02/2011

### 1.16.3: Electrical Conduits

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	National Plastic Factory	OMAN	ITSELF		22/07/2015

### 1.16.4: Connectors

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
<b>A) ALUM/ALUM P.G.CLAMPS</b>					
1	Supreme & CO PVT LTD	INDIA	Al Basam Enterprises	Under-Recall	12/10/2002
<b>B) BIMETALLIC P.G.CLAMPS</b>					
1	Supreme & CO PVT LTD	INDIA	Al Basam Enterprises	Under-Recall	12/10/2002
<b>D) BI-METALLIC LUGS</b>					
1	Sofamel SA	SPAIN	Golden International Est. LLC		21/11/2010
<b>G) WEDJE TYPE CONNECTOR</b>					
1	Sun Electric	INDIA	Thilal Al Khatheeb Trd. & Cont.		22/05/2012



## 2. Suspended Product List

Sr.	Product	Manufacturer	Country Of Origin	Agent/ Supplier	Comments	Date Of Suspension
1	AB Switches (11 KV)	Power Isolator	UK	Bin Salim Enterprises LLC & Trade Links & Services		-
2	AB Switches (11 KV)	Line Gear 11 Kv Air Break Switch	SOUTH AFRICA	Development Services		04/10/2006
3	AB Switches (33 KV)	Power Isolator	UK	Bin Salim Enterprises LLC & Trade Links & Services		-
4	AB Switches (33 KV)	Line Gear 33 Kv Air Break Switch	SOUTH AFRICA	Development Services		04/10/2006
5	RMU (11 KV Oil Type)	Ranhill EPE Switchgear	MALAYSIA	Trade Links & Services		02/01/2008
6	800 & 1600 A Feeder Pillar	National Electrical Ind.	OMAN	NATIONAL ELECTRICAL IND.		-
7	400 A 6 Ways Feeder Pillar	Natonal Elect. Ind	OMAN	NATIONAL ELECTRICAL IND.		12/05/2004
8	400 Amps Cutout Box With "J" Type Fuse Feeder Pillar	National Electrical Ind.	OMAN	NATIONAL ELECTRICAL IND.		-
9	House Services Cutouts	Kusum Engineering Works	INDIA	Al Hassan Electricals		-
10	33 KV Cables	Saudi Cables	K.S.A.	Al Hassan Electricals		21/10/2012
11	33 KV Cables	Gulf Cables	KUWAIT	Trade Links & Services		21/10/2012
12	33 KV Cables	Esewedy Group Of Companies	EGYPT	Esewedy Cables Oman		21/10/2012
13	33 KV Cables	Mitsubishi (Dainichi) Cables	JAPAN	Bahwan Engineering CO.		21/10/2012
14	11 KV Cables	Saudi Cables	K.S.A.	Al Hassan Electricals		21/10/2012
15	11 KV Cables	Esewedy Group Of Companies	EGYPT	Esewedy Cables Oman		21/10/2012
16	11 KV Cables	Mitsubishi (Dainichi) Cables	JAPAN	Bahwan Engineering CO.		21/10/2012
17	11 KV Cables	BICC	UK	Abdul Aziz & Brothers		21/10/2012
18	11 KV Cables	Nexans	SWEDEN	Al Hassan Electricals		21/10/2012
19	LV Cables	Saudi Cables	SAUDI ARABIA	Al Hassan Electricals		21/10/2012
20	LV Cables	BICC	UK	Abdul Aziz & Brothers		21/10/2012

21	LV Cables	Mitsubishi (Dainichi) Cables	JAPAN	Bahwan Engineering CO.		21/10/2012
22	LV Cables	Nexans	SWEDEN	Al Hassan Electricals		21/10/2012
23	Dropout Fuse Set (11kv) With Arcing Horns	B & S Beta Type	U.K.	Golden International Est. LLC		10/10/1987
24	Dropout Fuse Set (11kv) With Arcing Horns	Al Asr. Electrical & Electronic Ind (B-Type)	OMAN	Al Asr Electrical & Electronic Industries		-
25	11kv Auto-Recloser	ENTEC	S. Korea	CIVILCO		10/03/2006
26	Heat & Cold Shrink Termination & Joint	REPL Engineering Ltd.	INDIA	General Electronics & Trading CO.	33 KV is suspended	19/03/2006
27	Heat & Cold Shrink Termination & Joint	Yamuna Gases and Chemicals	INDIA	DELTA CO	33 KV is suspended	-
28	11kv Indoor Switchgear	Jyoti AIS	INDIA	General Electronics & Trading		23/09/2012
29	11kv Indoor Switchgear	TAMCO Corporate Holding Ais	MALASIYA	Bahwan Engineering Co		09/03/2014
30	1600 & 800 A Feeder Pillar	Sharikat Fanniya Omanyah (Muscat)	OMAN	Sharikat Fanniya Omanyah		28/05/2014
31	800 A Feeder Pillar	Asiatic Electric Industries India	INDIA	Zubair Electric CO.		28/05/2014
32	1600 & 800 A Feeder Pillar	Emirates Transformers & Switchgear Ltd.	UAE	Nasser & Saif Trading Co.		28/05/2014
33	1600 & 800 A Feeder Pillar	Al Asr Electrical & Electronic Industries	OMAN	ITSELF		28/05/2014
34	1600 & 800 A Feeder Pillar	Electro Mechanical Services LLC	OMAN	ITSELF		28/05/2014
35	1600 & 800 A Feeder Pillar	Oman National Electric Co.	OMAN	ONEC		28/05/2014
36	400 A Feeder Pillar	Scientechic	DUBAI	Waleed Associates		28/05/2014
37	400 A Feeder Pillar	Sharikat Fanniya Omanyah (Muscat)	OMAN	ITSELF		28/05/2014
38	400 A Feeder Pillar	Trust Electricals	U.A.E	Al Mohsin Trading		28/05/2014
39	400 A Feeder Pillar	Emirates Transformers & Switchgear Ltd.	U.A.E.	Nasser & Saif Trading Co.		28/05/2014
40	11 KV switchgear	National Electrical Industries	OMAN	ITSELF	Model MILE MP with TRAVIDA BREAKER	2013
41	11 KV Air Insulated Switchgear	Al Hassan Power Industries	OMAN	Al Hassan Electrical Co		30/08/2015
42	11 KV Heat Termination & Joints	REPL Engineering Ltd.	INDIA	General Electronics & Trading CO.		