



# Product Active List

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PRODUCT APPROVAL SECTION

Updated: July 2015

**DCRP/PA/PAL/2015/03**

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\*\*Remarks: Any approval before 2005 – NOT FULLY TYPE TESTED-  
and the product will be re-evaluated again

## 1. Approved Product List

- 1.1: Switchgears
- 1.2: Transformers
- 1.3: Ring Main Unit
- 1.4: Capacitor Banks
- 1.5: Auto-Recloser
- 1.6: Distribution Feeder Pillar
- 1.7: UG Cables & Accessories
- 1.8: Conductors & Overhead line hardware
- 1.9: Cable Terminations & Joints
- 1.10: Insulators
- 1.11: Air Breaker Switches & Drop out fuse
- 1.12: Consumer Unit & Accessories
- 1.13: Lightning Arrestor
- 1.14: Electrical Poles
- 1.15: Protection & Auxiliary Relays
- 1.16: Other Products:-
  - 1.16.1: Electrical Sign & Numbering Plates
  - 1.16.2: Earth Rod & Accessories
  - 1.16.3: Electrical Conduit
  - 1.16.4: Connectors

A large, faint background graphic consisting of a central blue sphere with a light blue ring orbiting it, surrounded by several yellow rectangular blocks arranged in a circular pattern. At the bottom, the letters 'DCRP' are written in a large, light blue, sans-serif font.

# 1.1. Switchgears

### 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	Air Insulated Switchgear	03/10/2006
2	Schneider Electric	Turkey	Schneider Electric	Air Insulated Switchgear Model: F400	01/11/2007
3	ORMAZABAL GI	SPAIN	ONEIC	Solid insulated Switchgear Models: CPG.0 & CPG.1	17/06/2009
4	SIEMENS AG	GERMANY	SIEMENS LLC	Fully Gas Insulated SWG MODEL: 8DA10	20/12/2011
5	ABB ELECTRIC SANAYI A.S	Turkey	ABB LLC	MODEL UNISAFE-36, TRADE NAME UNIGEAR ZS-2	03/12/2012
6	Schneider Electric SACHSENWERK GmbH	GERMANY	Schneider Electric	Fully Gas insulated Switchgear MODEL WSA-36	04/03/2013

#### b. 11 KV

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	AREVA T&D (PVT) LTD (FORMALY ALSTOM)	PAKISTAN	Oman Mechanical Services Co	NOT FULLY TYPE TESTED IN RECALLING PROCESS	26/01/2000
2	Al Hassan Power Industries	OMAN	Al Hassan Electrical Co	Expire: 30 August 2015	12/10/2002
3	SIEMENS AG	GERMANY	Siemens LLC	FULLY GIS Model: NXPLUS-C	20/12/2011
4	Jyoti Sohar	OMAN	Jyoti Sohar	Model: PH-700 & PH 800	12/02/2014
5	Toshiba TDS Asia SDN	Malaysia	Great Masa Trading & Technical Services	Model: HV 12	15/12/2014

A large, faint background graphic consisting of a central blue sphere with a light blue ring orbiting it, surrounded by several yellow rectangular blocks arranged in a circular pattern. At the bottom, the letters 'DCRP' are written in a large, light blue font.

# 1.2. Transformers

### 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	Transformers & Electricals Kerala Limited	INDIA	Al Hassan Electricals	NOT FULLY TYPE TESTED IN RECALLING PROCESS	10/09/1994
2	Emirates Transformers & Switchgear	U.A.E	Nasser & Saif Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	11/05/1994
3	VOLTAMP Transformers	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	22/12/1999
4	Crompton Greaves	INDIA	Trade Links & Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	16/06/2003
5	Al Jizzi Transformers & Switchgear CO.LLC	OMAN	ITSELF		25/12/2006

### 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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	10/09/1994
2	Emirates Transformers & Switchgear	U.A.E	Nasser & Saif Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	11/05/1994
3	Crompton Greaves	INDIA	Trade Links & Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	16/06/2003
4	Emirates Transformers & Switchgear	U.A.E	Nasser & Saif Trading Co.	<b>20 MVA</b>	17/04/2007
5	Sanil Electric Co Ltd	KOREA	Atlas international engineering services	<b>20 MVA</b>	21/11/2010
6	VOLTAMP Transformers	OMAN	ITSELF	<b>20 MVA</b>	20/12/2011
7	VOLTAMP Transformers	OMAN	ITSELF	<b>10 MVA</b>	22/05/2012
8	ABB Limited	INDIA	ABB LLC, Oman	<b>20 MVA with ABB OLTC</b>	21/05/2014

\*\*Remarks: Any approval before 2005 – NOT FULLY TYPE TESTED- and the product will be re-evaluated again

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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.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	08/01/1992
2	VOLTAMP Transformers LTD.	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	1993
3	Al Jizzi Transformers & Switchgear CO.LLC	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	13/09/2000
4	United Transformers Electric Company	KSA	United Engineering Projects Company LLC		24/02/2008
5	The Saudi Transformers Company	KSA	Bin Salim Enterprises	Voltage rate: 11/0.433 KV	14/06/2015

\*\*Remarks: Any approval before 2005 – NOT FULLY TYPE TESTED- and the product will be re-evaluated again

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# 1.3. Ring Main Unit

### 1.3.1: Oil Type

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Lucy Switchgear	U.K.	Bin Salim Enterprises LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	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 SF6 Ring Main Unit	UK	Zubair Electric CO.		03/10/2006
2	Lucy Switchgear	UAE	Bin Salim Enterprises LLC		05/07/2009

# 1.4. Capacitor Banks

### 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	Al Murad International EST		01/06/2009
2	Suvre Electric FZE	UAE	Al Assar Electric LLC		03/04/2013

### 1.4.2: Capacitor Banks (33 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

A large, faint background graphic consisting of a central blue sphere with a light blue orbital ring around it, and several yellow rectangular blocks arranged in a circular pattern around the sphere. At the bottom, the letters 'DCRP' are written in a large, light blue font.

# 1.5. Auto-Reclosers

### 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.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	-
2	Schneider (NULEC)	AUSTRALIA	Al Hassan Electricals	NOT FULLY TYPE TESTED IN RECALLING PROCESS	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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/2002
2	Noja Power Switchgear	AUSTRALIA	Rukun Al-Yaqeen International		07/10/2013

# 1.6. Distribution Feeder Pillars

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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

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

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

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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	22/09/1987
2	ASIATIC Electrical & Switchgear	INDIA	Al Siraj Al Arabi Trading & Cont.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	22/09/1987
3	Star Lights LLC	OMAN	ITSELF		21/11/2010

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# 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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	03/08/1988
2	Oman Cables Industry	OMAN	Oman Cable	NOT FULLY TYPE TESTED IN RECALLING PROCESS	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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	03/08/1988
2	Oman Cables Industry	OMAN	Oman Cable Industry	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/05/2004
3	Nuhas Oman	OMAN	ITSELF		08/04/2009
4	Gulf Cables & Electrical Industry	KUWAIT	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	03/08/1988
2	TEKAB Dubai	U.A.E.	Khimji Ramdas	NOT FULLY TYPE TESTED IN RECALLING PROCESS	05/07/1993
3	Oman Cables Industry	OMAN	Oman Cable Industry	NOT FULLY TYPE TESTED IN RECALLING PROCESS	22/01/1996
4	Elsowedy Group Of Companies	EGYPT	Sadeem International LLC		10/07/2007
5	Nuhas Cables	OMAN	ITSELF		03/12/2008
6	Pakistan Cables Limited	PAKISTAN	General Cables Oman		22/05/2012
7	Power Plus Cable Company	UAE	DELTA CO		17/05/2012
8	Phelps Dodge International Thailand LTD	Thailand	General Cables Oman		18/09/2014
9	Bahra Advanced Cable Co Ltd	KSA	Al-Barami Building Material & Trading		18/09/2014
10	Doha Cables	Qatar	Doha Cables LLC		15/12/2014

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### 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.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	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 ELEKTRIC CO	Turkey	ITSELF		21/11/2010
2	TEKOMPUK	Turkey	ITSELF		20/12/2011

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# 1.8. Conductors & Accessories

### 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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	07/04/1988
3	Oman Cable Industry	OMAN	Oman Cable Industry	NOT FULLY TYPE TESTED IN RECALLING PROCESS	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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	06/10/1988
2	SAUDI CABLES	K.S.A.	Al Hassan Electricals	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/10/1990
3	OMAN CABLE INDUSTRY	OMAN	Oman Cable Industry	NOT FULLY TYPE TESTED IN RECALLING PROCESS	15/03/1995
4	ELESEWEDY 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	OMAN CABLES INDUSTRY	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/02/1995
3	OMAN ALUMINIUM 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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	18/04/1991

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### 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	Preformed Line Prod	UK	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	1987
2	Apresa	SPAIN	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	04/09/1989
3	Supreme	INDIA	AI Basam Enterprises	NOT FULLY TYPE TESTED IN RECALLING PROCESS	28/04/2001
4	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	Apresa	SPAIN	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	04/09/1989
3	Supreme	INDIA	AI Basam Enterprises	NOT FULLY TYPE TESTED IN RECALLING PROCESS	28/04/2001

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# 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.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	--
2	REPL Engineering Ltd.	INDIA	General Electronics & Trading CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	18/02/1991
3	3M Corporation ( LV Only)	U.S.A	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	28/04/2001
4	3M Corporation - HV Cold Shrinkable Terminations	U.S.A	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	20/05/2002
5	Mahindra 11kv Heat Shrink Terminations & Joints	INDIA	Zubair Electric	11KV	02/01/2008
6	Gala Thermo Shrink Pvt Ltd	INDIA	Golden International Est. LLC	11KV & LV	10/05/2011
7	Shrink Polymer System	UK	Shrink Polymer System Oman	11KV & LV	12/03/2013
8	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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# 1.10. Insulators

### 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	W.S. Industries LTD	INDIA	Universal Engineering Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	16/03/1987
2	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	W.S. Industries LTD	INDIA	Universal Engineering Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1988
2	Sui-Xi Electro Ceramic	CHINA	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	23/07/1990
3	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	W.S. Industries LTD	INDIA	Universal Engineering Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	11/03/1987
2	LILING High Voltage Insulator Factory	CHINA	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	15/02/1989
3	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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/1987
2	PERMALI	U.K.	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
<b>G) 33 KV FIBER GLASS ROD STAY INSULATOR</b>					
1	SSB Industries	INDIA	Universal Engineering Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	20/04/1992

\*\*Remarks: Any approval before 2005 – NOT FULLY TYPE TESTED- and the product will be re-evaluated again

Updated: July 2015

# 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.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	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.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	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.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
2	Al Asr Electrical & Electronic Industries	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	22/06/1992

A large, faint background graphic consisting of a central blue sphere with a light blue orbital ring and several yellow rectangular segments arranged in a circular pattern around the sphere. At the bottom, the letters 'DCRP' are written in a large, light blue font.

# 1.12. Consumer Units & Accessories

### 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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	06/12/1988
2	Sharikat Fanniya Omania	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	11/01/1989
3	Al Hassan Switchgear Manufacturing Co.	OMAN	Al Hassan Electricals	NOT FULLY TYPE TESTED IN RECALLING PROCESS	02/03/1991
4	Al Mohsin Electricals	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	17/11/1998
2	India Meters	INDIA	Trade Links & Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	23/10/1999
3	Al Asr Electrical & Electronic Industries	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	08/01/2002
4	Iskara	YUGOSLAVIA	Al Hassan Electricals	NOT FULLY TYPE TESTED IN RECALLING PROCESS	16/03/1987



# 1.13. Lightning Arrestors

DCRP

### 1.13.1: 11 & 33KV 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.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	23/07/2001
2	ABB Switzerland LTD	Switzerland	ABB LLC	11 KV Surge Arrestor Model: POLIM-D 10-05	15/12/2014

A large, faint watermark is centered on the page. It consists of a blue sphere with a light blue orbital ring around it, surrounded by several yellow rectangular blocks. Below this graphic, the letters 'DCRP' are written in a large, light blue font.

# 1.14. Electrical Poles

### 1.14.1: Wooden Poles

Sr.	Manufacturer	Country of Origin	Supplier/agent	Remarks	Date of Approval
1	Fintrepo	FINLAND	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	22/12/1986
2	Rundvirke	SWEDEN	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	-
3	Unipole S.A.	TURKEY	CIVILCO	NOT FULLY TYPE TESTED	11/05/1994
4	Impregnierwerk Wulknitz	Germany	Global Corp Enterprises		13/06/2007
5	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

A large, faint background graphic consisting of a central blue sphere with a light blue orbital ring around it, and several yellow rectangular blocks arranged in a circular pattern around the sphere. At the bottom, the letters 'DCRP' are written in a large, light blue font.

# 1.15. Relays

### 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

### 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

A large, faint watermark of the DCRP logo is centered on the page. It consists of a blue sphere with a light blue orbital ring and several yellow rectangular segments arranged in a circular pattern around the sphere. Below the sphere, the letters 'DCRP' are written in a large, light blue font.

# 1.16. Other Products

### 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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/2002
<b>B) NUMBERING PLATES</b>					
2	NATIONAL TRADING CO	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/2002

### 1.16.2: Earth Rod & Accessories

Sr.	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
2	GERSAN ELEKTRIC 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	NOT FULLY TYPE TESTED IN RECALLING PROCESS	01/11/1999

### 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	NOT FULLY TYPE TESTED	12/10/2002
<b>B) BIMETALLIC P.G.CLAMPS</b>					
1	SUPREME & CO PVT LTD	INDIA	AL BASAM ENTERPRISES	NOT FULLY TYPE TESTED	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

\*\*Remarks: Any approval before 2005 – NOT FULLY TYPE TESTED- and the product will be re-evaluated again

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## 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)	Ranhil 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

**\*\*Remarks: Any approval before 2005 – NOT FULLY TYPE TESTED- and the product will be re-evaluated again**

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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

\*\*Remarks: Any approval before 2005 – NOT FULLY TYPE TESTED- and the product will be re-evaluated again

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