



مجلس مراجعة قوائم التوزيع
Distribution Code Review Panel

PRODUCT APPROVAL SECTION

ACTIVE PRODUCT LIST

Updated: June 2014

DCRP/PAS/APL/2014/V1.0

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1. Approved Product Lists

1. Switchgears
2. Transformers
3. Ring Main Unit
4. Capacitor Banks & Protection Relays
5. Auto-Recloser
6. Distribution Feeder Pillar
7. UG Cables & Accessories
8. Conductors & Overhead line hardware
9. Cable Terminations & Joints
10. Insulators
11. Air Breaker Switches & Fuses
12. Consumer Unit & Accessories
13. Lightning Arrestor
14. Electrical Poles
15. Other Products

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

1.1. Switchgear

1.1.1: 33 KV Outdoor Switchgear

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 Switchgear

a. 33 KV

Sr	Manufacturer	Country of Origin	Supplier/ Agent	Remarks	Date of Approval
1	Siemens 33 KV Air Insulated Switchgear	INDIA	SIEMENS LLC		03/10/2006
2	Schneider Electric	Turkey	Schneider Electric	F400 model	01/11/2007
3	ORMAZABAL GI MODELS: CPG.0 & CPG.1	SPAIN	ONEIC	CPG 0 & CPG 1 models	17/06/2009
4	SIEMENS AG (FULLY GIS)	GERMANY	SIEMENS LLC	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	SCHNIDER ELECTRIC	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 AHELIA	KUWAIT	ZAWAWI TRADING CO	NOT FULLY TYPE TESTED IN RECALLING PROCESS	24/11/1993
3	SIEMENS AIS	INDIA	SIEMENS LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	21/03/2001
4	AL HASSAN POWER INDUSTRIES AIS	OMAN	AL HASSAN ELECTRICAL CO	NOT FULL TYPE TESTED IN RECALLING PROCESS	12/10/2002
5	NATIONAL ELECTRICAL INDUSTRIES	OMAN	ITSELF	Model MILE MP with TRAVIDA BREAKER	20/12/2011
6	SIEMENS AG (FULLY GIS)	GERMANY	SIEMENS LLC	MODEL: NXPLUS-C	20/12/2011
7	JYOTI SOHAR AIS	OMAN	JYOTI SOHAR	Model: PH-700 & PH 800	12/02/2014

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, sans-serif font.

1.2. Transformers

1.2.1: Power Transformers (3, 6, 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 & SW	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	WITH 5 YEARS WARRENTY ON SUPPLY OF EACH TX	25/12/2006
6	TRANSFORMERS AND ELECTRICALS KERALA LIMITED	INDIA	Al Hassan Electricals	NOT FULLY TYPE TESTED IN RECALLING PROCESS	10/09/1994
7	EMIRATES TRANSFORMERS & SW	U.A.E	Nasser & Saif Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	11/05/1994
8	CROMPTON GREAVES	INDIA	Trade Links & Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	16/06/2003
9	SANIL ELECTRIC CO LTD	KOREA	Atlas international engineering services	20 MVA ONLY	21/11/2010
10	VOLTAMP TRANSFORMERS	OMAN	ITSELF	20 MVA	20/12/2011
11	VOLTAMP TRANSFORMERS	OMAN	ITSELF	10 MVA with on load tap changer	22/05/2012
12	ABB Limited	INDIA	ABB LLC, Oman	20 MVA with ABB OLTC	21/05/2014

1.2.2: 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	NEW KOREA ELECTRIC CO.	SOUTH KOREA	General Electronics & Trading CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	17/05/1992
2	EMIRATES TRANSFORMERS & SWITCHGEAR	U.A.E.	Nasser & Saif Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	08/01/1992
3	VOLTAMP TRANSFORMERS OMAN LTD.	OMAN	Rusail Industrial Estate	NOT FULLY TYPE TESTED IN RECALLING PROCESS	1993
4	AL JIZZI TRANSFORMERS & SWITCHGEAR CO.LLC	OMAN	Al Jizzi Transformers & Switchgear Co. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	13/09/2000
5	United Transformers Electric Company	Saudi Arabia	United Engineering Projects Company LLC		24/02/2008
6	BRUSH	UK	Zawawi Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
7	TRAFU UNION	GERMANY	Siemens LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
8	IEO BREDA	HOLLAND	Nasser & Saif Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	20/10/1987
9	SOUTHWALES	UK	Zawawi Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987

A large, faint background graphic consisting of a central blue sphere, a light blue elliptical ring, 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.

1.3. 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	BRUSH SWITCHGEAR	UK	Zawawi Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
3	AL ASR ELECTRICAL & ELCTRONIC INDUSTRIES	OMAN	ITSELF		05/07/2009

1.3.2: SF6 Type

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	MERLIN & GERIN (SF6 TYPE)	France	Zubair Electric CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	26/02/1990
2	Schneider SF6 Ring Main Unit	UK	Zubair Electric CO.		03/10/2006
3	LUCY SWITCHGEAR	UAE	BIN SALIM ENTERPRISES LLC		05/07/2009

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1.4. Capacitor Banks & Protection Relay

1.4.1: Capacitor Bank (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	SUVIRE ELECTRIC FZE	UAE	AL ASSAR ELECTRIC LLC		03/04/2013

1.4.2: Protection Relays

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	Schneider Digital Protection Relays	France	Schneider Electric		10/08/2006
2	SEL Protective Relays & Control System	USA	SEL Middle East B.S.C. (closed)		10/09/2006
3	Siemens Protection Relay	Germany , UK & Europe	Siemens Abu Dhabi		09/04/2007

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1.5. Auto-Recloser

1.5.1: 11 KV

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	COOPER POWER SYSTEM-USA	USA	General Electronics & Trading CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	-
2	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

1.5.2: 33 KV

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	BRUSH (SF6 TYPE)	UK	Zawawi Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	-
2	NULEC	AUSTRALIA	Al Hassan Electricals	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/2002
3	NOJA POWER SWITCHGEAR	AUSTRALIA	RUKUN ALYAQEEN INTERNATIONAL		07/10/2013

1.6. Distribution Feeder Pillar

DCRP

1.6.1: 800 & 1600 Amp


Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	VOLTAMP MANUFACTURING CO	OMAN	ITSELF	NOT FULLY TYPE TESTED	20/04/1992
2	AL HASSAN SWG.MFG.CO.	OMAN	Al Hassan	NOT FULLY TYPE TESTED	18/03/1992
3	URICH SWITCHGEAR MANUFACTURING CO.	OMAN	ITSELF	NOT FULLY TYPE TESTED	08/09/1997
4	MAJAN SWITCHGEAR COMPANY	OMAN	Al Murad International	NOT FULLY TYPE TESTED	27/01/2010

1.6.2: 400 Amp with 6 ways

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	VOLTAMP MANUFACTURING CO	OMAN	ITSELF.	NOT FULLY TYPE TESTED	21/05/1990
2	AL HASSAN SWG.MFG.CO	OMAN	ITSELF.	NOT FULLY TYPE TESTED	08/03/1992
3	STAR LIGHTS LLC	OMAN	ITSELF	NOT FULLY TYPE TESTED	12/03/2012

1.6.3: 400 Amp 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	22/09/1987
2	ASIATC ELECTRONIC INDUSTRIES	INDIA	Zubair Electric CO.	NOT FULLY TYPE TESTED	22/09/1987
3	AL HASSAN SWG.MG.CO.	OMAN	ITSELF	NOT FULLY TYPE TESTED	27/04/1991
4	AL ASR ELECTRICAL & ELECTRONIC INDUSTRIES	OMAN	ITSELF	NOT FULLY TYPE TESTED	02/11/1998
5	STAR LIGHTS LLC	OMAN	ITSELF		21/11/2010
6	ELECTRO MECHANICAL SERVICES LLC	OMAN	ITSELF	NOT FULLY TYPE TESTED	08/05/2000
7	SCIENTECHIC	UAE	Waleed Associates	NOT FULLY TYPE TESTED	17/04/1989

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1.7. UG Cables & Accessories

1.7.1: 33 KV XLPE cables

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	RIYADH CABLES	SAUDI ARABIA	Gulf National Electrical Cables	NOT FULLY TYPE TESTED IN RECALLING PROCESS	03/08/1988
2	DUBAI CABLE CO.	U.A.E. (DUCAB)	Abdul Aziz & Brothers	NOT FULLY TYPE TESTED	08/05/2000
3	OMAN CABLES	OMAN	Oman Cable	NOT FULLY TYPE TESTED IN RECALLING PROCESS	25/12/2004
4	NUHAS OMAN	OMAN	ITSELF		08/04/2009

1.7.2: 11 KV XLPE cables

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	RIYADH CABLES	SAUDI ARABIA	Gulf National Electrical Cables	NOT FULLY TYPE TESTED IN RECALLING PROCESS	03/08/1988
2	DUBAI CABLE CO.	U.A.E. (DUCAB)	Abdul Aziz & Brothers	NOT FULLY TYPE TESTED	08/05/2000
3	OMAN CABLES	OMAN	Oman Cable Industry	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/05/2004
4	NUHAS OMAN	OMAN	ITSELF		08/04/2009
5	GULF CABLES & ELECT INDUSTRY	KUWAIT	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	21/10/2012

1.7.3: LV Cables

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	RIYADH CABLES	SAUDI ARABIA	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	OMAN	Oman Cable Industry	NOT FULLY TYPE TESTED IN RECALLING PROCESS	22/01/1996
4	ELSEWEDY 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	DUBAI CABLE CO.	U.A.E. (DUCAB)	Abdul Aziz & Brothers	NOT FULLY TYPE TESTED	10/03/1986

1.7.4: Cable Protection Tiles & Caution Tape

Sr	Manufacturer	Country of Origin	Supplier/Agents	Remarks	Date of Approval
1	INTERPLASTE	UAE	Al Hassan Electricals	NOT FULLY TYPE TESTED IN RECALLING PROCESS	06/12/1989
2	CENTRIFORCE PRODUCTS LIMITED	UK	ITSELF		08/09/2010
3	REKO	HOLLAND	Trade Links & Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	08/10/1989
4	BODDINGTON	U.K.	Rashid Al Kiyumi	NOT FULLY TYPE TESTED IN RECALLING PROCESS	28/10/1992
5	AL SAMIR PLASTIC IND	U.A.E.	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	15/11/1999
6	Sparco Multiplast Pvt. Ltd.	INDIA	Al Munawara LLC		28/07/2008
7	Shri Ambica Plastic Industries	INDIA	Golden International Est. LLC		12/03/2008
8	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.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
2	RIYADH CABLES	K.S.A.	Gulf National Electrical Cables	NOT FULLY TYPE TESTED IN RECALLING PROCESS	07/04/1988
3	CUCEC	CHINA	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	17/04/1989
4	OMAN CABLE INDUSTRY	OMAN	Oman Cable Industry	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/02/1995
5	ELSEWEDY GROUP OF COMPANIES	EGYPT	Sadeem International LLC		10/07/2007
6	OMAN ALUMINIUM 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	MITSUBISHI (DAINICHI) CABLES	JAPAN	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	16/03/1987
5	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	MIDAL CABLES Bahrain	NOT FULLY TYPE TESTED	31/08/2003
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
A) ANTI CLIMING DEVICE					
1	AL SAQLAWI EST	OMAN	ITSELF	NOT FULLY TYPE TESTED	23/09/1991
B) 4 BOLT TENSION CLAMP					
1	NANJING"NINGXIAN" ELECTIC	CHINA	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	26/02/1990
2	Supreme & Co. Pvt. Ltd.	INDIA	Al Basam Enterprises		28/07/2008
C) CROSS ARM FOR 11 & 33 kv					
1	OMAN NATIONAL ENGINEERING & INVESTEMENT Co	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/2002
2	AL SAQLAWI EST	OMAN	ITSELF	NOT FULLY TYPE TESTED	12/12/1993
D) TIE BRACKETS FOR 11 & 33 KV					
1	OMAN NATIONAL ENGINEERING & INVESTEMENT Co	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/2002
2	AL SAQLAWI EST	OMAN	ITSELF	NOT FULLY TYPE TESTED	12/12/1993
E) CABLE SUPPORT CHANNEL					
1	OMAN NATIONAL ENGINEERING & INVESTEMENT Co	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/2002
2	AL SAQLAWI EST	OMAN	ITSELF	NOT FULLY TYPE TESTED	12/12/1993
F) TRANSFORMER SUPPORT CHANNEL					
1	OMAN NATIONAL ENGINEERING & INVESTEMENT Co	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/2002
2	AL SAQLAWI EST	OMAN	ITSELF	NOT FULLY TYPE TESTED	12/12/1993

G) PILOT PLATE					
1	OMAN NATIONAL ENGINEERING & INVESTEMENT Co	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/2002
2	AL SAQLAWI EST	OMAN	ITSELF	NOT FULLY TYPE TESTED	12/12/1993
H) GUSSET PLATE					
1	OMAN NATIONAL ENGINEERING & INVESTEMENT Co	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/2002
2	AL SAQLAWI EST	OMAN	ITSELF	NOT FULLY TYPE TESTED	12/12/1993
I) ADJUSTABLE ARCING HORNS FOR O.O FUSE UNIT					
1	AL SAQLAWI EST	OMAN	ITSELF	NOT FULLY TYPE TESTED	18/05/1994
J) BOLT FOR REEL INSULATOR					
1	CECEC	CHINA	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	18/04/1991

1.8.5: Stay Set Materials

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
A) STAYWIRE LT & HT					
1	HIND INDUSTRIES	INDIA	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	02/09/1991
2	GEEKAY	INDIA	CIVILCO	NOT FULLY TYPE TESTED	12/09/1990
3	TIANIJAN LIAOYUAN IRON STRANDS FACTORY	CHINA	Golden International Est. LLC		08/04/2009
B) POLE TOP MAKE OFF & GUY GRIP END (LT & HT)					
1	DULMISON	UK	Zawawi Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	22/09/1990
2	PREFORMED LINE PROD	UK	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	1987
3	APRESA	SPAIN	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	04/09/1989
4	SUPREME	INDIA	Al Basam Enterprises	NOT FULLY TYPE TESTED	28/04/2001

1.9. Cable Terminations & Joints

DCRP

1.9.1: Heat & Cold shrink Terminations

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	GALA THERMO SHRINK PVT LTD	INDIA	Golden International Est. LLC	11KV & LV ONLY	10/05/2011
3	REPL ENGINEERING LTD.	INDIA	General Electronics & Trading CO.	NOT FULLY TYPE TESTED	18/02/1991
4	YAMUNA GASES AND CHEMICALS	INDIA	DELTA CO	NOT FULLY TYPE TESTED	23/12/1995
5	3M CORPORATION.-U.S.A. (LV ONLY)	U.S.A	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	28/04/2001
6	3M CORPORATION.-U.S.A. HV COLD SHRINKABLE TERMIN.	U.S.A	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	20/05/2002
7	Mahindra 11kV & 33KV Heat Shrink Terminations & Joints	INDIA	Zubair Electric	11KV ONLY	02/01/2008
8	SHRINK POLYMER SYSTEM	UK	SHRINK POLYMER SYSTEM OMAN	11KV & LV ONLY	12/03/2013

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

A large, faint background graphic consisting of a central blue sphere, a light blue elliptical orbit, 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.

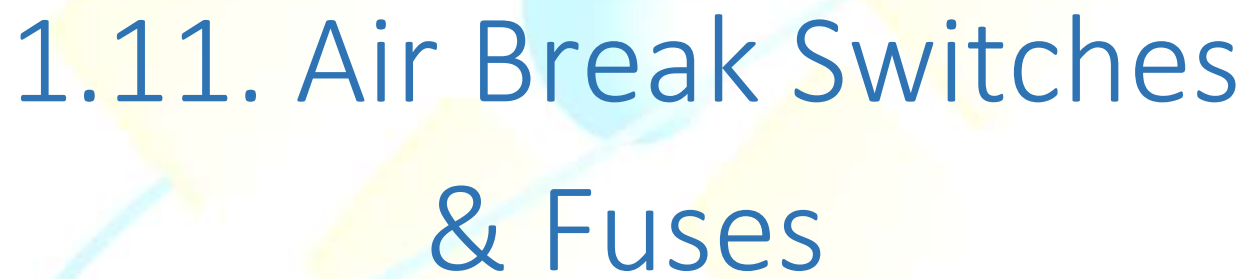
1.10. Insulators

1.10.1: Porcelain Insulation

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date for Approval
A) DISC INSULATORS - COMPLYING WITH OES-1					
1	EMCO INDUSTRY	PAKISTAN	Al Hassan Electricals	NOT FULLY TYPE TESTED IN RECALLING PROCESS	11/08/1986
2	W.S. INDUSTRIES (INDIA) LTD	INDIA	Universal Engineering Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	16/03/1987
3	DOULTON	U.K.	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
4	R.W.I	GERMANY	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1988
5	Jiangxi Oceangoing Export Electric Porcelain & Electrical Equipment	CHINA	CIVILCO		29/04/2008
6	ROSANTHAL (HOECHST CERAMTEC)	GERMANY	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
7	LAPP INSULATORS	USA	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
B) LINE POST TOP INSULATORS (11 & 33KV) COMPLYING WITH OES-1					
1	EMCO INDUSTRY	PAKISTAN	Al Hassan Electricals	NOT FULLY TYPE TESTED IN RECALLING PROCESS	09/09/1988
2	W.S. INDUSTRIES (INDIA) LTD	INDIA	Universal Engineering Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1988
3	DOULTON	U.K.	Golden International Est. LLC	NOT FULLY TYPE TESTED	29/09/1988
4	R.W.I.	GERMANY	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	18/04/1988
5	JAYASHREE	INDIA	Trade Links & Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	17/09/1988
6	SUI-XI ELECTRO CERAMIC	CHINA	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	23/07/1990
7	Jiangxi Oceangoing Export Electric Porcelain & Electrical Equipment Company Ltd., China	CHINA	CIVILCO		29/04/2008
8	LAPP	USA	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
9	ROSANTHAL (HOECHST CERAMTEC)	GERMANY	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	20/08/1987

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

C) SHACKLE INSULATORS FOR L.T. COMPLYING WITH OES-3					
1	W.S.INSULATORS	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	EMCO	PAKISTAN	Al Hassan Electricals	NOT FULLY TYPE TESTED IN RECALLING PROCESS	1989
4	Jiangxi Oceangoing Export Electric Porcelain & Electrical Equipment Company Ltd., China	CHINA	CIVILCO		29/04/2008
D) L.T. STAY INSULATOR SETS					
1	EMCO	PAKISTAN	Al Hassan Electricals	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/1987
2	DOULTON	U.K.	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
3	LILING HIGH VOLTAGE INSULATOR FACTORY	CHINA	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	25/09/1989
4	Jiangxi Oceangoing Export Electric Porcelain & Electrical Equipment Company Ltd., China	CHINA	CIVILCO		29/04/2008
E) 11 KV, STAY INSULATOR SET COMPLYING WITH OES-1					
1	EMCO	PAKISTAN	Al Hassan Electricals	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/1987
2	DOULTON	U.K.	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
3	LILING HIGH VOLTAGE INSULATOR FACTORY	CHINA	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	06/10/1988
4	Jiangxi Oceangoing Export Electric Porcelain & Electrical Equipment Company Ltd., China	CHINA	CIVILCO		29/04/2008
F) INSULATORS (33KV, STAY INSULATOR SET COMPLYING WITH OES-1)					
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
G) 33 KV FIBER GLASS STAIN INSULATORS					
1	SSB INDUSRIES	INDIA	Universal Engineering Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	20/04/1992

A large, faded graphic in the background consists 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 of the page, the letters 'DCRP' are written in a large, light blue font.

1.11. Air Break Switches & Fuses

1.11.1: Air break switch

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 11 KV AIR BREAK SWITCH	SWEDEN	Al Hassan Electricals		11/07/2006
3	SOUTHWALES (PORCELAIN)	UK	Zawawi Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	06/07/1987
4	BRUSH (PORCELAIN)	UK	Zawawi Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987

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 33KV AIR BREAK SWITCH	SWEDEN	Al Hassan Electricals		11/07/2006
3	SOUTHWALES (PORCELAIN)	UK	Zawawi Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	06/07/1987
4	BRUSH (PORCELAIN)	UK	Zawawi Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987

1.11.2: Fuses

a. Drop-out fuses (11 KV) with arching horns

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	SOUTHWALES	UK	Zawawi Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
2	MORRISLINE EQUIPMENT	U.K.	Bahwan Engineering CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/09/1987
3	AL ASR ELECTRICAL & ELECTRONIC IND	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	29/05/2002

b. 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 several yellow rectangular blocks arranged in a circular pattern around it, resembling a stylized sun or a molecular structure. A light blue curved line also passes through the center.

1.12. Consumer Units & Accessories

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
A) CONSUMER UNIT (SINGLE & THREE PHASE)					
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 (1 PH AND 3 PH)	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	24/09/2002
5	TALENT ELECTRIC SERVICES	OMAN	ITSELF		04/03/2013
B) HOUSE SERVICE CUTOUTS					
1	BRUSH	UK	Zawawi Trading Co.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	-
C) ENERGY METERS (SINGLE PHASE)					
1	LANDIS & GYR	U.K.	Waleed Associates	NOT FULLY TYPE TESTED	29/09/1987
2	AL ASR. ELECTRICAL & ELECTRONIC IND OMAN	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	17/11/1998
3	INDIA METERS	INDIA	Trade Links & Services	NOT FULLY TYPE TESTED IN RECALLING PROCESS	23/10/1999
4	AL ASR ELECTRICAL & ELECTRONIC IND.- OMAN	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	08/01/2002
5	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 PORCELAIN INSULATION

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	EMP BOWTHORPE	U.K.	GOLDEN INTERNATIONAL EST. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	09/01/2002
2	ELPRO	INDIA	CIVILCO	NOT FULLY TYPE TESTED IN RECALLING PROCESS	24/09/2002

1.13.1: 11 & 33KV Lightning Arrestors (GAP TYPE) with POLYMERIC INSULATION

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	EMP BOWTHORPE	U.K.	GOLDEN INTERNATIONAL EST. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	08/01/2002
2	ABB HIGH VOLTAGE TECH	SWITZERLAND	BAHWAN ENGINEERING CO.	NOT FULLY TYPE TESTED IN RECALLING PROCESS	23/07/2001
3	COOPER POWER SYSTEMS	U.S.A	GENERAL ELECTRONICS & TRADING CO.	NOT FULLY TYPE TESTED	23/07/2001



A large, faint background graphic consisting of a central blue sphere with two light blue elliptical orbits, surrounded by several yellow rectangular blocks arranged in a circular pattern. At the bottom, the letters "DCRP" are written in a large, light blue and yellow 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	SCANTREPO	FINLAND	CIVILCO	NOT FULLY TYPE TESTED IN RECALLING PROCESS	04/06/1990
4	SCANPOLE	NORWAY	BIN SALIM	NOT FULLY TYPE TESTED IN RECALLING PROCESS	08/07/1992
5	UNIPOLE S.A.	TURKEY	CIVILCO	NOT FULLY TYPE TESTED	11/05/1994
6	SOLAR TREIMPREGNERING A.S.	NORWAY	Al Murad Intl. Co.	NOT FULLY TYPE TESTED	13/09/2000
7	IMPREGNIERWERK WULKNITZ	Germany	GLOBAL CORP ENTERPRISE		13/06/2007

1.14.2: Concert Poles

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	EURO POLES MIDDLE EAST	OMAN	ITSELF		20/12/2011

A large, faded background graphic consisting of a central blue sphere with a light blue orbital ring, surrounded by several yellow rectangular blocks arranged in a circular pattern. At the bottom, the letters "DCRP" are displayed in a large, light blue and yellow font.

1.15. Other Products

1.15.1: Electrical Signs & Aluminum Plats

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
A) DANGER PLATE & SUBSTATION IDENTIFICATION PLATE					
1	AL SAQLAWI EST	OMAN	ITSELF	NOT FULLY TYPE TESTED	13/01/1990
2	NATIONAL TRADING CO	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/2002
B) NUMBERING PLATES					
1	AL SAQLAWI EST	OMAN	ITSELF	NOT FULLY TYPE TESTED	13/01/1990
2	NATIONAL TRADING CO	OMAN	ITSELF	NOT FULLY TYPE TESTED IN RECALLING PROCESS	12/10/2002

1.15.2: Earth Rod & Accessories

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
1	WALLIS	UK	Golden International Est. LLC	NOT FULLY TYPE TESTED IN RECALLING PROCESS	01/08/1993
2	GERSAN ELEKTRIC CO	Turkey	SOHAR INDUSTRIAL & SUPPLY EST		19/02/2011

1.15.3: 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

1.15.4: Connectors

Sr	Manufacturer	Country of Origin	Supplier/Agent	Remarks	Date of Approval
A) ALUM/ALUM P.G.CLAMPS					
1	AL TASNEEM ELECTRICAL CONT	OMAN	ITSELF	NOT FULLY TYPE TESTED	22/12/1999
2	SUPREME & CO PVT LTD	INDIA	AL BASAM ENTERPRISES	NOT FULLY TYPE TESTED	12/10/2002
B) BIMETALLIC P.G.CLAMPS					
1	AL TASNEEM ELECTRICAL CONT	OMAN	ITSELF	NOT FULLY TYPE TESTED	22/12/1999
2	SUPREME & CO PVT LTD	INDIA	AL BASAM ENTERPRISES	NOT FULLY TYPE TESTED	12/10/2002
D) BI-METALLIC LUGS					
1	SOFAMEL SA	SPAIN	Golden International Est. LLC		21/11/2010
G) WEDJE TYPE CONNECTOR					
1	SUN ELECTRIC	INDIA	THILAL AL KHATHEEB TRD & CONT		22/05/2012

2. Suspended Product List

SR	PRODUCT	MANUFACTERER	COUNTRY of ORGIN	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 (OIL TYPE)	Ranhil EPE Switchgear 11 KV Oil Ring Main Unit	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	ELSEWEDY GROUP OF COMPANIES	EGYPT	Elsowedy 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	ELSEWEDY GROUP OF COMPANIES	EGYPT	Elsowedy 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	1600 & 800 A FEEDER PILLAR	ASIATIC ELECTRIC INDUSTRIES INDIA (800A ONLY)	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 OMANIYAH (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

