

BSE REFERENCE LIST FOR EAF&LF REVAMPING

Steelplant	Country	Place	Furnace Type	Transformer	Start-Up
ONESTEEL EAF & TECHNOLOGY (EX SMORGON STEEL) ELECTRIC ARC FURNACE	AUSTRALIA	VICTORIA	85 t AC	71 MVA	2007
BREITENFELD EDELSTAHL AG DRS ELECTRIC ARC FURNACE	AUSTRIA	MITTERDORF	65 t AC	30 MVA	2006
VOEST-ALPINE STAHL DONAWITZ GMBH LADLE FURNACE	AUSTRIA	DONAWITZ	60 t LF	17 MVA	1992
ELLWOOD STEEL BELGIUM ELECTRIC ARC FURNACE	BELGIUM	SERAING	85 t AC	85 MVA	2008
GERDAU COSIGUA ELECTRIC ARC FURNACE	BRAZIL	RIO DE JANEIRO	96 t AC	75 MVA	1999
GERDAU COSIGUA ELECTRIC ARC FURNACE	BRAZIL	RIO DE JANEIRO	80 t AC	43 MVA	2003
GERDAU COSIGUA ELECTRIC ARC FURNACE	BRAZIL	RIO DE JANEIRO	120 t AC	50 MVA	2007
GERDAU DIVINOPOLIS LADLE FURNACE	BRAZIL	DIVINOPOLIS	40 t LF	14 MVA	1991
GERDAU S/A ELECTRIC ARC FURNACE	BRAZIL	RIO DE JANEIRO	110 t AC	100 MVA	2008
MMX METALICOS BRASIL LTDA ELECTRIC ARC FURNACE	BRAZIL	CORUMBÁ	50 t	0 MVA	2008
SINOBRAS ALUMINUM ARMS ELECTRIC ARC FURNACE	BRAZIL	MARABA	40 t AC	40 MVA	2007
SINOBRAS LADLE FURNACE	BRAZIL	MARABA	40 t LF	36 MVA	2007
GERDAU AMERISTEEL WHITBY ALUMINUM ARMS	CANADA	WHITBY	136 t AC	75 MVA	1995
IVACO ALUMINUM ARMS	CANADA	L'ORIGNAL	90 t AC	65 MVA	1995
JIANGYIN XING CHENG STEEL DRS	CHINA	JIANGYIN CITY JIANGSU	110 t DC	90 MVA	2003

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CMC SISAK D.O.O. ELECTRIC ARC FURNACE	CROATIA	SISAK	60 t AC	60 MVA	2009
CMC SISAK D.O.O. ELECTRIC ARC FURNACE	CROATIA	SISAK	60 t AC	60 MVA	2009
ANSDK - 1 ALUMINUM ARMS	EGYPT	ALEXANDRIA	80 t AC	46 MVA	1998
ANSDK - 1 4 x ALUMINUM ARMS	EGYPT	ALEXANDRIA	80 t AC	46 MVA	1996
OUTOKUMPU ALUMINUM ARMS	FINLAND	TORNIO	86 t AC	84 MVA	1994
ASCOMETAL USINE DE FOS DRS	FRANCE	FOS-SUR-MER CEDEX	135 t AC	100 MVA	2007
BEFESA VALERA ELECTRIC ARC FURNACE	FRANCE	GRAVELINES	0 t	12 MVA	2007
LME - SME - LAMINES MARCHANDS EUROPEENS LADLE FURNACE	FRANCE	TRITH SAINT LÉGER	80 t LF	12 MVA	1989
MANNESMANN - VALLOUREC INDUSTRIES 2 x ALUMINUM ARMS	FRANCE	SAINT-SAULVE	80 t AC	78 MVA	1990
BADISCHE STAHLWERKE GMBH LADLE FURNACE	GERMANY	KEHL	72 t LF	12 MVA	1984
BADISCHE STAHLWERKE GMBH ELECTRIC ARC FURNACE	GERMANY	KEHL	72 t AC	57 MVA	1985
BADISCHE STAHLWERKE GMBH 2 x ALUMINUM ARMS	GERMANY	KEHL	80 t AC	57 MVA	1989
BADISCHE STAHLWERKE GMBH ELECTRIC ARC FURNACE	GERMANY	KEHL	80 t AC	57 MVA	1996
BADISCHE STAHLWERKE GMBH ELECTRIC ARC FURNACE	GERMANY	KEHL	80 t AC	75 MVA	1999
BADISCHE STAHLWERKE GMBH LADLE FURNACE	GERMANY	KEHL	86 t LF	30 MVA	2003
BADISCHE STAHLWERKE GMBH ELECTRIC ARC FURNACE	GERMANY	KEHL	90 t AC	90 MVA	2006
BADISCHE STAHLWERKE GMBH ELECTRIC ARC FURNACE	GERMANY	KEHL	80 t AC	75 MVA	2001

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BGH EDELSTAHL FREITAL GMBH 2 x ALUMINUM ARMS ELECTRIC ARC FURNACE LADLE FURNACE	GERMANY	FREITAL	30 t AC	30 MVA	1997
BGH EDELSTAHL FREITAL GMBH ELECTRIC ARC FURNACE	GERMANY	FREITAL	40 t AC	36 MVA	2007
DEUTSCHE EDELSTAHLWERKE GMBH ELECTRIC ARC FURNACE	GERMANY	WITTEN	130 t AC	75 MVA	2007
EDELSTAHLWERKE BUDERUS AG ELECTRIC ARC FURNACE	GERMANY	WETZLAR	90 t AC	63 MVA	1994
GRÖDITZER STAHLWERKE GMBH LADLE FURNACE	GERMANY	GRÖDITZ	35 t LF	10 MVA	1994
KRUPP THYSSEN NIROSTA GMBH ELECTRIC ARC FURNACE	GERMANY	BOCHUM	160 t AC	135 MVA	2006
PEINER TRÄGER GMBH ALUMINUM ARMS	GERMANY	PEINE	100 t DC	140 MVA	1995
STAHLWERK BOUS GMBH ALUMINUM ARMS	GERMANY	BOUS / SAAR	70 t AC	45 MVA	1992
THYSSEN KRUPP VDM GMBH ELECTRIC ARC FURNACE	GERMANY	WERDOHL	30 t AC	15 MVA	2003
THYSSEN KRUPP VDM GMBH ELECTRIC ARC FURNACE	GERMANY	WERDOHL	30 t AC	15 MVA	2001
SOVEL DRS	GREECE	MAROUSSI (ATHENS)	100 t AC	70 MVA	2003
SOVEL ELECTRIC ARC FURNACE	GREECE	MAROUSSI (ATHENS)	100 t AC	80 MVA	2007
KESHARI STEELS ELECTRIC ARC FURNACE	INDIA	INDORE	40 t AC	25 MVA	1988
MUKAND ELECTRIC ARC FURNACE	INDIA	KALWE	50 t AC	25 MVA	1987
HOD METAL ELECTRIC ARC FURNACE	ISRAEL	AKKO	54 t AC	48 MVA	1985
ITO STEEL ALUMINUM ARMS	JAPAN	ISHINOMAKI	80 t AC	36 MVA	1994
TOYOHIRA STEEL ALUMINUM ARMS	JAPAN	SAPPORO	60 t AC	30 MVA	1993

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ARCELORMITTAL BELVAL & DIFFERDANGE S.A. ALUMINUM ARMS	LUXEMBOURG	DIFFERDANGE	160 t DC	140 MVA	2000
AMSTEEL MILLS SDN. BHD. ALUMINUM ARMS DC ONLINE DRS ELECTRIC ARC FURNACE	MALAYSIA	BANTING	160 t DC	140 MVA	2005
ANN JOO STEEL BERHAD ELECTRIC ARC FURNACE	MALAYSIA	BUTTERWORTH, PENANG	80 t DC	82 MVA	2002
ANN JOO STEEL BERHAD ALUMINUM ARMS	MALAYSIA	BUTTERWORTH, PENANG	80 t DC	82 MVA	2003
ANN JOO STEEL BERHAD ELECTRIC ARC FURNACE	MALAYSIA	BUTTERWORTH, PENANG	80 t DC	82 MVA	2003
ANN JOO STEEL BERHAD DRS	MALAYSIA	PRAI, PULAU PINANG	80 t DC	82 MVA	2006
ANN JOO STEEL BERHAD DC ONLINE	MALAYSIA	PRAI, PULAU PINANG	90 t DC	90 MVA	2007
ANN JOO STEEL BERHAD ELECTRIC ARC FURNACE	MALAYSIA	PRAI, PULAU PINANG	90 t DC	90 MVA	2009
MEGASTEEL SDN BHD ELECTRIC ARC FURNACE	MALAYSIA	BANTING	160 t DC	150 MVA	2008
SOUTHERN STEEL BERHAD DC ONLINE	MALAYSIA	PRAI, PULAU PINANG	82 t DC	85 MVA	2004
SOUTHERN STEEL BERHAD DC ONLINE	MALAYSIA	PRAI, PULAU PINANG	80 t DC	68 MVA	2004
SOUTHERN STEEL BERHAD ELECTRIC ARC FURNACE	MALAYSIA	PRAI, PULAU PINANG	90 t DC	85 MVA	2004
SOUTHERN STEEL BERHAD ELECTRIC ARC FURNACE	MALAYSIA	PRAI, PULAU PINANG	80 t DC	85 MVA	2001
SOUTHERN STEEL BERHAD ALUMINUM ARMS	MALAYSIA	PRAI PULAU PINANG	80 t DC	85 MVA	2001
QATAR STEEL COMPANY LTD. ELECTRIC ARC FURNACE	QATAR	MESAIEED	86 t AC	50 MVA	2003
MITTAL STEEL HUNEDOARA S.A. ALUMINUM ARMS LADLE FURNACE	ROMANIA	HUNEDOARA	120 t AC	50 MVA	2008

Steelplant	Country	Place	Furnace Type	Transformer	Start-Up
S.C. TMK RESITA S.A. ELECTRIC ARC FURNACE	ROMANIA	RESITA	125 t AC	75 MVA	2010
S.C. TMK-RESITA S.A. ALUMINUM ARMS ELECTRIC ARC FURNACE	ROMANIA	RESITA	125 t AC	75 MVA	2009
HADEED 1 ALUMINUM ARMS	SAUDI ARABIA	MADINAT AL-JUBAIL	150 t AC	110 MVA	1998
HADEED 1 ALUMINUM ARMS	SAUDI ARABIA	MADINAT AL-JUBAIL	150 t AC	110 MVA	1997
HADEED 1 ALUMINUM ARMS	SAUDI ARABIA	MADINAT AL-JUBAIL	150 t AC	110 MVA	1999
HADEED 1 ALUMINUM ARMS	SAUDI ARABIA	MADINAT AL-JUBAIL	150 t AC	110 MVA	2000
SAUDI BASIC INDUSTRIES ELECTRIC ARC FURNACE	SAUDI ARABIA	AL JUBAIL-AL SINAIYAH	150 t AC	125 MVA	2008
NATSTEEL ASIA PTE. LTD. DC ONLINE	SINGAPORE	SINGAPORE	80 t DC	56 MVA	2003
SZ ACRONI D.O.O. 2 x ALUMINUM ARMS	SLOVENIA	JESENICE	85 t AC	80 MVA	2002
SZ ACRONI D.O.O. MISCELLANEOUS SERVICES	SLOVENIA	JESENICE	85 t AC	60 MVA	2001
MITTAL STEEL SOUTH AFRICA LTD (EX ISCOR) ALUMINUM ARMS	SOUTH AFRICA	PRETORIA	140 t AC	80 MVA	1995
MITTAL STEEL SOUTH AFRICA LTD (EX ISCOR) ALUMINUM ARMS ELECTRIC ARC FURNACE	SOUTH AFRICA	VEREENIGING	60 t AC	55 MVA	1999
MITTAL STEEL SOUTH AFRICA LTD. (EX SALDANHA STEEL) ALUMINUM ARMS	SOUTH AFRICA	SALDANHA	170 t AC	137 MVA	2000
SCAW METALS LTD. ELECTRIC ARC FURNACE	SOUTH AFRICA	GERMISTOWN	70 t AC	75 MVA	1990
DONGKUK INCHON 2 x ALUMINUM ARMS	SOUTH KOREA	INCHON	37 t AC	18 MVA	1995
DONGKUK PUSAN ALUMINUM ARMS	SOUTH KOREA	PUSAN	40 t AC	33 MVA	1995
DONGKUK PUSAN ALUMINUM ARMS	SOUTH KOREA	PUSAN	50 t AC	42 MVA	1995

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HANBO STEEL - ASAN PLANT 2 x ALUMINUM ARMS	SOUTH KOREA	ASAN BAY	200 t AC	30 MVA	1996
HANBO STEEL - ASAN PLANT 2 x ALUMINUM ARMS	SOUTH KOREA	ASAN BAY	200 t DC	120 MVA	1996
HANBO STEEL - PUSAN PLANT ALUMINUM ARMS	SOUTH KOREA	PUSAN	90 t AC	50 MVA	1993
HANBO STEEL - PUSAN PLANT ALUMINUM ARMS	SOUTH KOREA	PUSAN	37 t AC	40 MVA	1993
INCHON IRON AND STEEL ALUMINUM ARMS	SOUTH KOREA	INCHON	86 t AC	55 MVA	1996
KISCO MASAN - KOREA IRON AND STEEL CO. ALUMINUM ARMS	SOUTH KOREA	MASAN	65 t AC	42 MVA	1995
POSCO - POHANG IRON & STEEL ALUMINUM ARMS	SOUTH KOREA	POHANG	90 t AC	70 MVA	1995
POSCO - POHANG IRON & STEEL ALUMINUM ARMS	SOUTH KOREA	POHANG	90 t AC	85 MVA	1995
POSCO - POHANG IRON & STEEL 4 x ALUMINUM ARMS ELECTRIC ARC FURNACE	SOUTH KOREA	GWANGYANG	130 t DC	105 MVA	2009
POSCO - POHANG IRON & STEEL 2 x DC ONLINE	SOUTH KOREA	GWANGYANG	130 t DC	105 MVA	2008
POSCO - POHANG IRON & STEEL ALUMINUM ARMS	SOUTH KOREA	POHANG	95 t AC	85 MVA	2002
ACERINOX ALUMINUM ARMS	SPAIN	PALMONES (LOS BARRIOS)	120 t AC	96 MVA	1998
SHYEH SHENG FUAT STEEL & IRON ALUMINUM ARMS	TAIWAN	KAOHSIUNG	65 t AC	40 MVA	1995
YIEH UNITED STEEL CORP 2 x ALUMINUM ARMS	TAIWAN	KAOHSIUNG HSIEN	85 t AC	70 MVA	2002
CARIBBEAN ISPAT, LTD. 2 x ALUMINUM ARMS	TRINIDAD AND TOBAGO	POINT LISAS, COUVA	110 t AC	80 MVA	1997
CEBITAS ALUMINUM ARMS	TURKEY	ALIAGA	70 t AC	72 MVA	1998
IZMIR DEMIR CELIK IDC ELECTRIC ARC FURNACE	TURKEY	ALIAGA	75 t AC	72 MVA	1995

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ALLIED STEEL AND WIRE LTD. LADLE FURNACE	UNITED KINGDOM	CARDIFF	120 t LF	12 MVA	1989
AK STEEL ALUMINUM ARMS ELECTRIC ARC FURNACE	UNITED STATES	BUTLER	175 t AC	56 MVA	2001
CMC STEEL ALABAMA DC ONLINE	UNITED STATES	BIRMINGHAM	125 t DC	64 MVA	2004
CMC STEEL SOUTH CAROLINA ELECTRIC ARC FURNACE	UNITED STATES	CAYCE	73 t AC	90 MVA	2008
GERDAU AMERISTEEL BEAUMONT ALUMINUM ARMS	UNITED STATES	BEAUMONT	145 t AC	66 MVA	1996
GERDAU AMERISTEEL WILTON ALUMINUM ARMS	UNITED STATES	WILTON	80 t AC	34 MVA	1998
KOPPEL STEEL ALUMINUM ARMS	UNITED STATES	BEAVER FALLS	80 t AC	72 MVA	1998
TIMKEN COMPANY ALUMINUM ARMS	UNITED STATES	FAIRCREST	174 t AC	96 MVA	1996

Number of EAF Modernization References: 107