

**APPROVAL OF ELECTRICAL APPARATUS & CABLES UNDER Regulation 181(3) of  
the COAL MINES REGULATIONS, 1957**

**The list of approved flameproof, intrinsically safe electrical equipment is not exhaustive  
and subject to verification of the approval documents.**

<b>Sl. No.</b>	<b>Description of equipment</b>	<b>Name of Manufacturer (M/S)</b>	<b>Approval no.</b>	<b>Valid upto</b>
DBT1	Flameproof and intrinsically safe electricals and other mechanical equipments to be associated with DBT flameproof Diesel Utility Vehicle model FBL-10 (as mentioned in Annexure-B) manufactured by M/S DBT Mining Engineers GmbH, Germany for use in belowground Coal Mines.	DBT Australia Pty Ltd PO Box 102 Boolaroo, NSW, 2284 Australia.	584 of 2009	30.04.2010
C1	Flameproof Electricals and mechanical items as per Annexure-B to be associated with Chinese make Longwall Package for use in belowground Coal Mines.	China National Coal Mining Engg. Equipment, 192, Andingmenwaidajie Meiji Mansion, Beijing, P.R. of China, Post Code-100011	81 of 2000	04.08.2009
C2	Flameproof and intrinsically safe electrical equipments (as mentioned in Annexure-B) for use in Shortwall Panel manufactured by M/S China National Coal Mining Engineering Equipment Group Import & Export Co. Ltd., China for use in belowground Coal Mines in India.	China National Coal Mining Engineering Equipment Group Import & Export Co. Ltd., 192, Andingmenwaidajie, Meiji Mansion, Beijing, P.R. of China, Post Code – 100011.	579 of 2008	26.02.2010
B1	FLP & IS electrical and mechanical items to be associated with BL-10C Side Discharge Loader	Bharat Earth Movers Limited, BEML Nagar, KGF, Distt.-Kolar-563 115 (Karnataka).	532 of 2005	20.04.2009
B2	Flameproof and intrinsically safe electrical and mechanical items to be associated with BL15 LHD (Load Haul	Bharat Earth Movers Limited, BEML Nagar, KGF, Distt.-Kolar-563 115	566 of 2008	02.04.2009

	Dumper)	(Karnataka).		
T1	FLP & intrinsically safe electricals and mechanical items to be associated with Crawler Mounted Standard height electro-hydraulic Side Discharge Loader, type-M 412 EC with 1.5 Cu m Bucket capacity (without cable reeling drum)	TRF Ltd., 11, Station Road, Burma Mines, Jamshedpur-831 007	499 of 2003	27.10.2010
T2	Flameproof and intrinsically safe electrical and other mechanical items to be associated with crawler mounted low profile electrohydraulic Side Discharge Loader (SDL) type-M412 without cable reeling drum	TRF Ltd., 11, Station Road, Burma Mines, Jamshedpur-831 007	60 of 1991	21.01.2010
T3	Flameproof and intrinsically safe electricals and other mechanical equipments to be associated with crawler mounted Low Height electrohydraulic Side Discharge Loader, type no. M412LH <b><u>without cable reeling drum</u></b> (as mentioned in Annexure-B) manufactured by M/S TRF Limited, Jamshedpur for use in belowground Coal Mines	TRF Ltd., 11, Station Road, Burma Mines, Jamshedpur-831 007	78 of 1999	07.03.2010
T4	Flameproof and intrinsically safe electrical and mechanical items to be associated with Crawler Mounted extra Low Height electrohydraulic Side Discharge Loader, type no. M412 ELH with 1 Cu. M bucket capacity (without cable reeling drum)	TRF Ltd., 11, Station Road, Burma Mines, Jamshedpur-831 007	565 of 2008	14.01.2010
T5	Flameproof and intrinsically safe electrical and mechanical equipments to be associated with Standard Height Side Discharge Loader with cable	TRF Ltd., 11, Station Road, Burma Mines, Jamshedpur-831 007	576 of 2008	22.09.2009

	reeling drum model: M412CR (as per annexure-B) for use in belowground Coal Mines.			
SE1	FLP and IS electrical & other mechanical items to be associated with mobile universal drill machine model no. D138/5M	Simplex Engg. & Foundry Works Ltd., 65, Industrial Estate, Bhilai-490 026(Chhatisgarh)	483 of 2002	16.07.2009
SE2	FLP & IS electrical and other mechanical items to be associated with crawler mounted low profile electrohydraulic Side Discharge Loader (SDL) with cable reeling drum model- D-113/1000	Simplex Engg. & Foundry Works Ltd., 65, Industrial Estate, Bhilai-490 026(Chhatisgarh)	66 of 1993	24.03.2012
SE3	FLP & IS electrical and mechanicals to be associated with load haul dumper (LHD) machine model no. D142/1500	Simplex Engg. & Foundry Works Ltd., 65, Industrial Estate, Bhilai-490 026(Chhatisgarh)	538 of 2005	18.07.2009
SE4	Flameproof & intrinsically electrical and other mechanical items to be associated with crawler mounted electrohydraulic Side Discharge Loader (SDL) type-D137/1000	Simplex Engg. & Foundry Works Ltd., 65, Industrial Estate, Bhilai-490 026(Chhatisgarh)	612/EHQ dated 21.06.2007	06.06.2010
EE1	Flameproof & intrinsically safe electrical, cables and mechanical components associated with SDL-Low Height in seam loader, model-611 ISL	Eimco Elecon (India) Ltd., Anand Sojitra Road, Vallabh Vidyanagar-388 120 (Gujarat).	321/86/524/EHQ dated 02.07.1986	15.05.2012
EE2	Flameproof and intrinsically safe electrical and other approved items to be associated with load Haul Dump Machine model-811	Eimco Elecon (India) Ltd., Anand Sojitra Road, Vallabh Vidyanagar-388 120 (Gujarat).	321/1054/EHQ dated 09.09.1994	31.12.2009
EE3	FLP electric cable conforming to IS:2148-1981 and Intrinsically Safe conforming to IS:5780-1980 items for Remote Control by multi core control cable to be associated with model-912E Electric LHD	Eimco Elecon (India) Ltd., Anand Sojitra Road, Vallabh Vidyanagar-388 120 (Gujarat).	536 of 2005	10.06.2009
EE4	Flameproof cable reel model-	Eimco Elecon (India)	288 of 1988	11.09.2009

	250 rated upto 200 A, 1100 V, 3 phase, 50 Hz AC for use with Load Haul Dump machine	Ltd., Anand Sojitra Road, Vallabh Vidyanagar-388 120 (Gujarat).		
EE5	FLP & IS electricals and mechanical items to be associated with model-625 Side Dump Loader (625)	Eimco Elecon (India) Ltd., Anand Sojitra Road, Vallabh Vidyanagar-388 120 (Gujarat).	684/EHQ dated 26.08.1997	11.10.2009
EE6	FLP & IS electricals and other approved items to be associated with Load Haul Dump machine model 912E-LHD	Eimco Elecon (India) Ltd., Anand Sojitra Road, Vallabh Vidyanagar-388 120 (Gujarat).	15 of 1982	24.03.2010
EE7	Flameproof/intrinsically safe electrical and other approved items to be associated with model 611 Drill	Eimco Elecon (India) Ltd., Anand Sojitra Road, Vallabh Vidyanagar-388 120 (Gujarat).	568 of 2008	02.05.2010
EE8	Flameproof/intrinsically safe electrical and other approved mechanical items to be associated with model 912 CH Coal Hauler	Eimco Elecon (India) Ltd., Anand Sojitra Road, Vallabh Vidyanagar-388 120 (Gujarat).	569 of 2008	02.05.2009
V1	Flameproof and intrinsically safe electrical and other mechanical items to be associated with model-ACM10 Continuous Miner	Voest Alpine Bergtechnik, Alpinestrasse 1, 8740 Zeltweg, Austria.	567 of 2008	02.05.2009
ST1	FLP and intrinsically safe electrical items to be associated with Sandvik Tamrock Secoma Jumbo Drill CTH14	Sandvik Mining and Construction Lyon S.A.S., 19, Avenue De Lattre de Tassigny, BP46F-69881 Meyzieu Cedex France	75 of 1997	24.11.2009
ST2	FLP & IS electrical & mechanical items to be associated with CTX4 Load Haul dumpers	Sandvik Mining and Construction Lyon S.A.S., 19, Avenue De Lattre de Tassigny, BP46F-69881 Meyzieu Cedex France	72 of 1997	30.04.2009
J1	FLP and intrinsically safe electrical and other mechanically items to be	Joy Mining Machinery Sales & Service Centre, Kirby	501 of 2003	09.12.2010

	associated with continuous miner of M/s Joy Mining Machinery, England	Cane, Pinxton, Nottinghamshire, Nus 166 HX, England		
J2	FLP & IS electrical and other mechanical items to be associated with Continuous Miner	Joy Mining Machinery Sales & Service Centre, Kirby Cane, Pinxton, Nottinghamshire, Nus 166 HX, England	530 of 2005	12.04.2009
AP1	FLP/IS electrical items to be associated with road header type AM-50	Andhra Pradesh Heavy Machinery & Engg. Ltd., Governor Pet, Vijaywada-520 002 (AP).	51/89/1501/EHQ dated 12.10.1989	24.08.2009
AP2	FLP/WP alternator suitable for rated at 12 V DC (continuous) at 6000 RPM in cast iron construction	Andhra Pradesh Heavy Machinery & Engg. Ltd., Kondapalli, Distt.- Krishna-521 228(AP).	549 of 2006	31.10.2010