

**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.**

Sl. No.	Description of equipments	Name of Manufacturer (M/S)	Approval no.	Valid upto
SM 1	15 V audio visual alarm model-AL with intrinsically safe circuit conforming to IS:5780-1980 for use in belowground Coal Mines.	SAIT Mine Line Pvt. Ltd., 152, Harish Mukherjee Road, Kolkata-700 025.	531 of 2005	20.04.2009
SM 2	Radio Remote Control System to be fitted with SDL for Group-I atmosphere conforming to IS:5780-1980 for use in belowground Coal Mines.	SAIT Mine Line Pvt. Ltd., 152, Harish Mukherjee Road, Kolkata-700 025.	484 of 2002	08.10.2009
SM 3	Intrinsically safe lodestar system conforming to IS:5780-2002 for use in belowground coal mines.	SAIT Mine Line Pvt. Ltd., 152, Harish Mukherjee Road, Kolkata-700 025.	581 of 2009	15.04.2010
R M1	Intrinsically safe audio visual alarm, type no. RAM-100-AVA manufactured by M/S Ram Marketing, Nagpur conforming to IS:5780-2002 for use in belowground Coal Mines.	Ram Marketing 38, Geeta Bhavan : Subhash Road Nagpur-440 018 (Maharashtra).	583 of 2009	30.04.2009
M E1	Intrinsically safe auto-cum-manual communication system, model no. MIC-102-AT	MIMEC Electronics Pvt. Ltd., Plot no. 5, Namkum Industrial Area, Namkum, Ranchi-834 010	54 of 1990	29.05.2009
M E2	Intrinsically safe loud hailing communication system model no. MIC-101 PT type Simplex/Duplex	MIMEC Electronics Pvt. Ltd., Plot no. 5, Namkum Industrial Area, Namkum, Ranchi-834 010	55 of 1990	29.05.2009
A1	Intrinsically safe insulation tester type-DV MEG 500V conforming to IS:13109(Part-I)-1991 & IS:5780-2002	Apollo Power Equipments, 152A, Rashbehari Avenue, Kolkata-29	534 2005	18.05.2009
A2	Intrinsically safe insulation tester type-DV MEG 1000 V	Apollo Power Equipments, 152A, Rashbehari Avenue, Kolkata-29	540 of 2005	18.10.2009
K1	Intrinsically safe IS page phone	KAIZEN Services Pvt.	526 of	01.03.2010

	model-KSPP-01 with intrinsically safe power supply, model-KSPP-02 in FLP enclosure for power supply unit model-KSPP-02 conforming to IS:2148-1981 and IS:5780-1980 for use in belowground coal mines.	Ltd., C/47, Baghajatin Pally, PO-Regent Estate, Kolkata-700 092.	2005	
EE C1	FLP/IS audio visual alarm in cast iron/mild steel enclosure type-EEC/FLP/WP/AVA/12 rated at 24/110/220/440/550 V on the input side and 12/24 V at the output side conforming to IS:2148-2004, IS:13346-2004 and IS:5780-2002 for use in belowground coal mines.	Electrical Equipment Corporation Plot No.314, Udyog Vihar, Phase-VI, Sector-37 Gurgaon-122 001 (Haryana).	47 of 1990	11.10.2009
EE C2	FLP/WP audio visual alarm in cast iron construction, type-FLP/WP/AVA/24V/SDL conforming to IS:2148-2004, IS:13346-2004 and IS:5780-2002 for use in belowground coal mines.	Electrical Equipment Corporation Plot No.314, Udyog Vihar, Phase-VI, Sector-37 Gurgaon-122 001 (Haryana).	528 of 2005	14.03.2011
S1	Intrinsically safe underground blasting siren, designated by model KEM-U-15 conforming to IS:5780-2002 for use in belowground in coal mines.	Safex (India), Ashirwad Complex, PO-Nagnagar, Dhanbad-826 004	49 of 1990	27.04.2012
S2	Intrinsically safe audio visual alarm unit for haulage type-KEM V-25(UG)	Safex (India), Ashirwad Complex, PO-Nagnagar, Dhanbad-826 004	44 of 1989	02.05.2010
FS 1	Intrinsically safe FERNSPRECH and Singnalbau GmbH & Co. make sound power telephone	FERNSPECH SIGNALBAU GmbH & Co. KG Funke+Huster Fernsig Eintrachtstrac SSC 95, D-42557 Velbert, Germany	447 of 1996	13.01.2010
M1	Mine Radio Systems (1)Leaky Feeder Communication model no. FLEXCOM, MULTICOM, INSITE of (a)Leaky feeder cable (b)Flexcon Line Amplifiers (c)Multicom Line Amplifiers (d)Splitters and Amplifiers (e)Termination Units (f)Splice Boxes (h) Power couplers (i)M VSA-DX and (2) Portable Radio (VHF) model no. INTEL-10 & 20	Mine Radio Systems Inc., 117 Ringwood Drive, Unit 5, Stouffville, Ontario Canada, L4A 8C1	564 of 2007	13.12.2009

	conforming to IS:5780-2002 & IS:13346-2004 manufactured by M/S Mine Radio Systems Inc., Canada for use in belowground Coal Mines in India.			
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