

**APPROVAL OF ELECTRICAL APPARATUS & CABLES UNDER REGULATION  
75(2) OF THE OIL MINES REGULATIONS, 1984**

**The list of approved flameproof intrinsically safe 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
A1	Intrinsically safe insulation tester type-DV MEG 500V conforming to IS:13109(Part-I)-1991 & IS:5780-2002 for use in Zone 1 & Zone 2 hazardous areas of oil mines.	Apollo Power Equipments, 152A, Rashbehari Avenue, Kolkata-700 029	159 of 2007	08.03.2009
E1	Flameproof/weatherproof Temperature Transmitter Assembly model 644HFK5J8M5F6Q4 manufactured by M/S Rosemount Inc., USA conforming to IS:2148-2004, IS:13346-2004, IS:12063-1987 and IS:5780-2002 for use in Zone 1 and Zone 2 hazardous areas of Oil Mines.	Emerson Process Management (India) Pvt. Ltd., 82, Panchal Udyog Nagar, Bhimpore, Nani Daman, Daman-396 210	174 of 2008	17.01.2012
E2	Pressure transmitter model-3051 conforming to IS:5780-1980 for use in Zone 1 & Zone 2 hazardous areas of oil mines.	Emerson Process Management (India) Pvt. Ltd., 82, Panchal Udyog Nagar, Bhimpore, Nani Daman, Daman-396 210	180 of 2008	02.05.2009
E3	Intrinsically Safe Micro Motion Series 3700 Transmitter, model-3700A1A03DZEZLNZ in aluminium alloy 360 construction category no.PS-00291-Rev A manufactured by M/s Micro Motion, Inc, Boulder, CO 80301 (USA) conforming to IS:2148-2004, IS:12063-1987, IS:5780-2002, IS:13346-2004 & IS:6381-2004 for use in Zone-2 hazardous areas of Oil Mines in India.	Emerson Process Management (India) Pvt. Ltd., 82, Panchal Udyog Nagar, Bhimpore, Nani Daman, Daman-396 210	187 of 2008	30.09.2009
E4	Intrinsically Safe Micro Motion Elite Series CMF 300 Sensor, model-CMF300M355NQBZZZZ manufactured by M/S Micro Motion,	Emerson Process Management (India) Pvt. Ltd., 82, Panchal	188 of 2008	30.09.2009

	Inc, Boulder, CO 80301 (USA) conforming to IS:5780-2002 for use in Zone 1 and Zone 2 hazardous areas of Oil Mines in India.	Udyog Nagar, Bhimpore, Nani Daman, Daman-396 210		
E5	Intrinsically Safe 375 Field Communicator, model-375FREIKLU in plastic enclosure manufactured by M/S R Stahl HMI Systems GmbH, Colongne, Germany conforming to IS:5780-2002 for use in Zone 1 and Zone 2 hazardous areas of Oil Mines in India.	Emerson Process Management (India) Pvt. Ltd., 82, Panchal Udyog Nagar, Bhimpore, Nani Daman, Daman-396 210	189 of 2008	30.09.2009
E6	Flameproof/weatherproof intrinsically safe enclosure for transmitter head type-TH43, model no.5601AE5PAORE rated at 24 DC/240 V AC in cast aluminium alloy LM-6 construction manufactured by M/S SAAB Marine Electronics AB, S-40251, Goteborg, Sweden conforming to IS:2148-2004, IS:12063-1987 and IS:5780-2002 for use in Zone 1 and Zone-2 hazardous areas of Oil Mines in India.	Emerson Process Management (India) Pvt. Ltd., 82, Panchal Udyog Nagar, Bhimpore, Nani Daman, Daman-396 210	192 of 2008	16.12.2009
E7	Intrinsically Safe Micro Motion CMF 400 Mass Flow Meter in cast aluminium alloy, model no. CMF400M437NQBAEZZZ manufactured by M/s Micro Motion, Inc, Boulder, CO 80301 (USA) conforming to IS:5780-2002 for use in Zone 1 and Zone-2 hazardous areas of Oil Mines in India.	Emerson Process Management (India) Pvt. Ltd., 82, Panchal Udyog Nagar, Bhimpore, Nani Daman, Daman-396 210	193 of 2008	16.12.2009
E8	Intrinsically Safe Micro Motion Series 1700 Flow Transmitter, model no.1700R11DBFEZZZ manufactured by M/s Micro Motion, Inc, Boulder, CO 80301 (USA) conforming to IS:5780-2002 for use in Zone 1 and Zone-2 hazardous areas of Oil Mines in India.	Emerson Process Management (India) Pvt. Ltd., 82, Panchal Udyog Nagar, Bhimpore, Nani Daman, Daman-396 210	194 of 2008	16.12.2009
FE1	Intrinsically Safe rechargeable cap lamp with in-built battery type no. IS-RH-LED-01 in polycarbonate material of construction conforming to IS:5780-2002, IS:12063-1987 and IS:13346-2004 manufactured by M/s Flameproof Equipments Pvt. Ltd.,	Flameproof Equipments Pvt. Ltd. Plot No.B-39 (Near Monginis) New Link Road, Andheri (W),	176 of 2008	12.02.2009

	Mumbai for use in Zone-1 and Zone-2 hazardous areas of oil mines.	Mumbai – 400 053.		
FE2	Intrinsically safe rechargeable cap lamp with external battery type no. IS-RH-LED-02 in polycarbonate material of construction conforming to IS:5780-2002, IS:12063-1987 and IS:13346-2004 manufactured by M/s Flameproof Equipments Pvt. Ltd., Mumbai for use in Zone-1 and Zone-2 hazardous areas of oil mines.	Flameproof Equipments Pvt. Ltd. Plot No.B-39 (Near Monginis) New Link Road, Andheri (W), Mumbai – 400 053.	177 of 2008	12.02.2009
M/D1	(1)M/D Totco make Intrinsically safe Ultra Sonic sensor P/No. 222573-001 rated at 24V (2)M/D Totco make Intrinsically safe Proximity sensor P/No.232389. rated at 12V (3)M/D Totco make Intrinsically safe Horn P/No.220451-001 rated at 24V (4)M/D Totco make Intrinsically safe Draw works encoder P/No.222115-001. rated at 12V (5)M/D Totco make Intrinsically safe return and mud flow sensor P/No. 270700-116 rated at 6.5V (6)M/D Totco make Intrinsically safe Rotary Torque sensor P/No. 40218041-002 rated at 6.5V (7)M/D Totco make Intrinsically safe Drill watch P/No.221436 series rated at 24V (8)M/D Totco make Intrinsically safe calibration switch P/No.219255-001 rated at 9V (9)M/D Totco make Intrinsically safe Pressure Transducer 221212 series rated at 24V sensor model no. 221145-002H (10)M/D Totco make Intrinsically safe Transducer part no. 40221805-001A rated at 24V (11)M/D Totco make Weather proof Junction box P/No.230364 in stainless steel construction, for terminating intrinsically safe circuits only manufactured by M/S M/D Totco,	M/D Totco 1200 Cypress Creek Road Cedar Park Texas, USA 78613.	166 of 2007	12.10.2009

	1200 Cypress Creek Road, Cedar Park Texas, USA 78613 conforming to IS:5780-2002 and IS:13947(Part-I)-1993 for use in Zone 1 and Zone 2 hazardous areas of Oil Mines in India.			
ABB1	Intrinsically safe 2600T series differential pressure transmitter Type 264HSPSBA1E6D3B1 in cast aluminium alloy, LM-6 construction manufactured by M/S ABB Limited, Faridabad conforming to IS: 5780-1980 and IS: 4013-1967 for use in Zone 1 and Zone 2 hazardous areas of Oil Mines in India.	ABB Limited 14, Mathura Road PO: Amar Nagar :Faridabad -121 003 (Haryana).	183 of 2008	08.09.2009
ABB2	Intrinsically safe Electronic Configurable Temperature Transmitter, type no. 653SY1GY7152023 in cast aluminium alloy LM-6 construction manufactured by M/S ABB Limited, Faridabad conforming to IS: 5780-1980 and IS: 4013-1967 for use in Zone 1 and Zone 2 hazardous areas of Oil Mines in India.	ABB Limited 14, Mathura Road PO: Amar Nagar :Faridabad -121 003 (Haryana).	184 of 2008	08.09.2009
M1	(1)Intrinsically Safe Radar Level Transmitter model Pulsar R05 and R95 fitted in FLP/WP enclosure manufactured by M/s Magnetrol International N.V., Belgium conforming to IS:2148-2004, IS:12063-1987, IS:5780-2002, IS:13346-2004 & IS:6381-2004 & (2) Intrinsically Safe Eclipse Level Transmitter model 705, 707 and 708 fitted in FLP/WP enclosure manufactured by M/s Magnetrol International N.V., Belgium conforming to IS:2148-2004, IS:12063-1987, IS:5780-2002 & IS:13346-2004 for use in Zone 1 and Zone 2 hazardous areas of Oil Mines in India	Magnetrol International N.V. Heinkensstraat 6, 9240 Zele, Belgium	186 of 2008	19.09.2009
S1	Intrinsically safe Electronic Time Cycle Controller model-MEGA 500 conforming to IS:5780-2002 for use in Zone-1 and Zone-2 hazardous areas	Sigma Control Systems 9, Stephen House 4 BBD Bag East :	155 of 2006	04.10.2011

	of oil mines	First Floor Kolkata-700 001 (West Bengal).		
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