

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

**The list of approved flameproof electrical motor is not exhaustive and subject to verification of the approval documents.**

<b>Sl. No.</b>	<b>Description of motors</b>	<b>Name of Manufacturer (M/S)</b>	<b>Approval no.</b>	<b>Valid upto</b>
C1	Flameproof fan cooled squirrel cage induction motor rated at 18.5 KW(25 HP), 381/440 V, 3 phase, 50 Hz in frame size-E 180L in cast iron construction with detachable terminal box fitted with cable sealing box conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Crompton Greaves Limited A-6/2, MIDC Ahmednagar-414 111 (Maharashtra).	122 of 1976	30.09.2009
C2	Flameproof squirrel cage induction motor rated at 37 KW(50 HP), 381/440 V, 3 phase, 1500 RPM, 50 Hz in frame size-E 225S conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Crompton Greaves Limited A-6/2, MIDC Ahmednagar-414 111 (Maharashtra).	78 of 1974	29.03.2009
C3	Flameproof squirrel cage induction motor rated at 55 KW(75 HP), 381/440 V, 50 Hz, 3000 RPM in frame size E 250 M for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Crompton Greaves Limited A-6/2, MIDC Ahmednagar-414 111 (Maharashtra).	79 of 1974	07.01.2010
C4	Flameproof squirrel cage induction motor rated at 45 KW(60 HP), 381/440 V, 3 phase, 3000 RPM, 50 Hz in frame size-E 225 M conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Crompton Greaves Limited A-6/2, MIDC Ahmednagar-414 111 (Maharashtra).	80 of 1974	07.01.2010
C5	Flameproof squirrel cage induction motor rated at 5.5 KW (7.5 HP), 381/440 V, 3 phase, 50 Hz, 3000 RPM synchronous continuous duty with class 'F' insulation in frame size-E 132 M conforming to	M/S Crompton Greaves Limited A-6/2, MIDC Ahmednagar-414 111 (Maharashtra).	103 of 1975	07.05.2010

	IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.			
C6	FLP squirrel cage induction motor rated at 1.5 KW(2 HP), 381/440 V, 3 phase, 50 Hz, 2830 RPM in frame size-E90L conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Crompton Greaves Limited A-6/2, MIDC Ahmednagar-414 111 (Maharashtra).	104 of 1975	06.05.2009
C7	Flameproof squirrel cage induction motor rated at 90 KW(120 HP), 381/440 V, 3 phase, 1500 RPM, 50 Hz in frame size-E 280 M conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Crompton Greaves Limited A-6/2, MIDC Ahmednagar-414 111 (Maharashtra).	127 of 1976	07.01.2010
C8	Flameproof fan cooled squirrel cage induction motor rated at 18.5 KW(25 HP), 381/440 V, 3 phase, 50 Hz in frame size : E 160L in cast iron construction with detachable terminal box fitted with cable sealing box conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Crompton Greaves Limited A-6/2, MIDC Ahmednagar-414 111 (Maharashtra).	119 of 1976	30.09.2009
C9	Flameproof fan cooled squirrel cage induction motor rated at 30 KW(40 HP), 381/440 V, 3 phase, 50 Hz in frame size : E 200L in cast iron construction with detachable terminal box fitted with cable sealing box conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Crompton Greaves Limited A-6/2, MIDC Ahmednagar-414 111 (Maharashtra).	45 of 1970	30.09.2009
C10	FLP squirrel cage induction motor rated at 3.7 KW(5 HP), 381/440 V, 3 phase, 50 Hz, 2920 RPM in frame size-E112M conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Crompton Greaves Limited A-6/2, MIDC Ahmednagar-414 111 (Maharashtra).	137 of 1977	07.05.2009
C11	FLP squirrel cage induction motor	M/S Crompton	145 of 1977	07.05.2009

	rated at 2.2 KW(3 HP), 381/440 V, 3 phase, 50 Hz, 3000 synchronous RPM, continuous duty with class 'F' insulation in frame size-E 100L conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Greaves Limited A-6/2, MIDC Ahmednagar-414 111 (Maharashtra).		
C12	FLP squirrel cage induction motor rated at 187 KW(250 HP), 381/440 V, 3 phase, 50 Hz, 1480 RPM in frame size-E 315L conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Crompton Greaves Limited A-6/2, MIDC Ahmednagar-414 111 (Maharashtra).	160 of 1978	07.05.2009
C13	Flameproof squirrel cage induction motor rated at 110 KW (150 HP), 381/440 V, 3 phase, 50 Hz, 1475 RPM in frame size-E 315 M conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Crompton Greaves Limited A-6/2, MIDC Ahmednagar-414 111 (Maharashtra).	125 of 1976	29.03.2009
B1	Flameproof foot mounted fan cooled squirrel cage induction motor rated at 2.2 KW, 415 V, 1430 RPM, 50 Hz in frame size MJ100(IEC frame size-100) conforming to IS:2148-2004, IS:325-1996 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Bharat Bijlee Ltd. Post box no. 100 Thane : Belapur Road – 400 601.	333 of 1994	23.11.2009
B2	Flameproof squirrel cage induction motor in frame size MJ180 (IEC frame size-180) rated at 22 KW, 4 pole, 415 V, 3 phase, 1500 RPM, 50 Hz AC conforming to IS:2148-2004, IS:325-1996 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Bharat Bijlee Ltd. Post box no. 100 Thane : Belapur Road – 400 601.	11 of 1987	14.01.2010
B3	Flameproof fan cooled foot mounted squirrel cage induction motor in cast iron construction in frame size: MJ130(IEC frame size-132M) rated at 7.5 KW, 415 V, 3 phase, 50 Hz, 750 RPM, 14 A, 8 pole conforming to IS:2148-2004,	M/S Bharat Bijlee Ltd. Post box no. 100 Thane : Belapur Road – 400 601.	12 Group- IIA & IIB of 1987	30.09.2009

	IS:325-1996 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.			
B4	Flameproof squirrel cage induction motor in cast iron body in frame size MJ112 (IEC frame size-112M) rated at 3.7 KW(5 HP), 4 pole, 415 V, 3 phase, 1500 RPM, 50 Hz AC conforming to IS:2148-2004, IS:325-1996 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Bharat Bijlee Ltd. Post box no. 100 Thane : Belapur Road – 400 601.	152 of 2006	06.04.2010
B5	Flameproof squirrel cage induction motor rated at 55 KW, 415 V, 3 phase, 3000 RPM, 50 Hz in frame size MJ250 (IEC frame size-250M) in cast iron construction conforming to IS:2148-2004, IS:325-1996 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Bharat Bijlee Ltd. Post box no. 100 Thane : Belapur Road – 400 601.	161 of 2007	21.03.2010
B6	Flameproof squirrel cage induction motor, type-INJ0 164-4 in frame size-16 LFP rated at 15 KW, upto and including 650 V, 3 phase, 50 Hz, 1500 RPM (syn.)	M/S Bharat Bijlee Ltd. Post box no. 100 Thane : Belapur Road – 400 601.	162 of 2007	21.03.2010
B7	Flameproof squirrel cage induction motor rated at 30 KW, 415 V, 3 phase, 50 Hz, 1465 RPM in frame size-MJ200 (IEC frame size 200L) conforming to IS:2148-2004, IS:325-1996 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Bharat Bijlee Ltd. Post box no. 100 Thane : Belapur Road – 400 601.	163 of 2007	21.03.2010
B8	FLP fan cooled foot mounted squirrel cage A.C. induction motor rated at 45 KW, 415 V, 3 phase, 50 Hz, 1000 RPM (syn.) in frame size-MJ225 (IEC frame size-225 S/M) conforming to IS:2148-2004, IS:325-1996 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Bharat Bijlee Ltd. Post box no. 100 Thane : Belapur Road – 400 601.	455 of 1998	08.07.2009
B9	FLP foot mounted fan cooled squirrel cage induction motor in	M/S Bharat Bijlee Ltd.	19 Group-IIA & IIB of	24.11.2009

	frame size-MJ90 (IEC frame size-90) rated at 0.75 KW, 415 V, 3 phase, 50 Hz, 1500 RPM conforming to IS:2148-2004, IS:325-1996 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Post box no. 100 Thane : Belapur Road – 400 601.	1987	
B10	FLP AC squirrel cage induction motor in frame size MJ80 (IEC frame size-80) rated at 0.75 KW, 415 V, 50 Hz, 1405 RPM in cast iron construction conforming to IS:2148-2004, IS:325-1996 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	M/S Bharat Bijlee Ltd. Post box no. 100 Thane : Belapur Road – 400 601.	141 of 2004	10.08.2009
K1	Explosionproof vibrator motor in steel construction model & frame size-ULBK-40-35/4, 1800 watts, 380 V, 3.8 A, 3 phase, 50 Hz, 1440 rpm, conn-Y, continuous duty Class-F insulation manufactured by M/s INVICTA VIBRATIONS, ENGLAND conforming to IS:2148-1981 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines in India	KEM TRON TECHNOLOGIES, INC 10404-B Cash Road, Stafford, TEXAS-77477 USA	147 of 2005	16.11.2009
K2	Flameproof/weatherproof shaker starter control panel in sand copper free aluminium construction model no. KTL-EALS-SB upto 460 V, 5 A, 50 Hz conforming to IS:2148-2004 (IEC 60079-1/2001) & IP-56 of IS:12063-1987 (IEC 60529/1989) manufactured by M/s KEM TRON TECHNOLOGIES, INC, USA for use in Zone 1 & Zone 2 hazardous areas of Oil Mines in India	KEM TRON TECHNOLOGIES, INC 10404-B Cash Road, Stafford, TEXAS-77477 USA	148 of 2005	16.11.2009
K3	Explosionproof vibrator motor in steel construction, model & frame size-ULBK-30-25/4, 1150 W, 415 V, 2.5 A, 1440 RPM, 3 phase, 50 Hz, Conn.-Y, duty-Cont., Ins. Class-F manufactured by M/s Invicta Vibrators, England conforming to IS:2148-1981 for use in Zone 1 &	KEM TRON TECHNOLOGIES, INC 10404-B Cash Road, Stafford, TEXAS-77477 USA	133 of 2003	02.12.2010

	Zone 2 hazardous areas of Oil Mines in India			
LHP1	Flameproof induction motor in cast iron construction rated at 30 KW, 550 V, 3 phase, 50 Hz, insulation class 'F' in frame size-LF-200 M/L conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Laxmi Hydraulics Pvt. Ltd. B-11, MIDC : Chincholi Solapur-413 255(Maharashtra)	167 of 2007	11.12.2009
LHP2	Flameproof foot mounted induction motor in cast iron construction rated at 75 KW, 550 V, 3 phase, 50 Hz, 1480 RPM insulation class 'F' in frame size-280 S conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Laxmi Hydraulics Pvt. Ltd. B-11, MIDC : Chincholi Solapur-413 255(Maharashtra)	168 of 2007	11.12.2009
LHP3	Flameproof squirrel cage induction motor in frame size-LF-160 M/L rated at 15 KW, 550 V, 3 phase, 50 Hz conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Laxmi Hydraulics Pvt. Ltd. B-11, MIDC : Chincholi Solapur-413 255(Maharashtra)	169 of 2008	11.01.2010
LHP4	Flameproof foot mounted squirrel cage induction motor in frame size-LF-180 M/L rated at 18.5 KW(25 HP), 550 V, 3 phase, 50 Hz conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Laxmi Hydraulics Pvt. Ltd. B-11, MIDC : Chincholi Solapur-413 255(Maharashtra)	170 of 2008	11.01.2010
LHP5	Flameproof induction motor in cast iron construction in frame size-225 S/M rated at 45 KW, 550 V, 3 phase, 50 Hz, insulation class 'F' conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Laxmi Hydraulics Pvt. Ltd. B-11, MIDC : Chincholi Solapur-413 255(Maharashtra)	171 of 2008	11.01.2010
LHP6	Flameproof/weatherproof foot mounted induction motor in cast iron construction in frame size-250 M rated at 55 KW, 550 V, 3 phase, 50 Hz, 4 pole, 1440 RPM, insulation	Laxmi Hydraulics Pvt. Ltd. B-11, MIDC : Chincholi Solapur-413	172 of 2008	11.01.2010

	class 'F' conforming to IS:2148-2004, IS:4691-1985 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	255(Maharashtra)		
LHP7	Flameproof foot mounted induction motor in cast iron construction rated at 110 KW, 550 V, 3 phase, 50 Hz, 1485 RPM, insulation class 'F' in frame size-315 S conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Laxmi Hydraulics Pvt. Ltd. B-11, MIDC : Chincholi Solapur-413 255(Maharashtra)	173 of 2008	11.01.2010
LKP8	Flameproof/weatherproof squirrel cage induction motor rated at 7.5 KW (10 HP), 415 V, 3 phase, 50 Hz in frame size-LF-132 S/M in cast iron construction manufactured by M/S Laxmi Hydraulics Pvt. Ltd., Solapur conforming to IS:2148-2004 and IS:13346-2004 for use in Zone 1 and Zone-2 hazardous areas of Oil Mines.	Laxmi Hydraulics Pvt. Ltd. B-11, MIDC : Chincholi Solapur-413 255(Maharashtra)	195 of 2009	16.01.2010
M1	Flameproof fan cooled foot mounted squirrel cage induction motor rated at 18.5 KW, 500/550 V, 3 phase, 4 pole, 50 Hz, 1500 RPM in frame size-KF180 M&L conforming to IS:2148-2004 & IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of oil mines.	Marathon Electric Motors (India) Limited, Paharpur Works, 58, Taratala Road, Kolkata-700 024	34 Group-IIA & IIB of 1989	07.07.2009
M1	FLP squirrel cage induction motor rated at 7.5 KW(10 HP), 414 V, 3 phase, 50 Hz, 1500 RPM in frame size KF132 S&M conforming to IS:2148-2004 & IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of oil mines.	Marathon Electric Motors (India) Limited, Paharpur Works, 58, Taratala Road, Kolkata-700 024	35 Group-IIA & IIB of 1989	25.05.2009
M2	FLP fan cooled foot mounted squirrel cage induction motor rated at 15 KW, 3 phase, 415 V, 50 Hz, 1470 RPM in frame size-KF 160L conforming to IS:2148-2004 & IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of oil mines.	Marathon Electric Motors (India) Limited, Paharpur Works, 58, Taratala Road, Kolkata-700 024	36 Group-IIA & IIB of 1989	26.04.2009
M3	Flameproof squirrel cage induction motor rated at 37 KW (50 HP), 3	Marathon Electric Motors (India)	37 Group-IIA & IIB of	28.02.2010

	phase, 500/550 V, 50 Hz, 1500 RPM in frame size-KF225 S&M conforming to IS:2148-2004 & IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of oil mines.	Limited, Paharpur Works, 58, Taratala Road, Kolkata-700 024	1989	
M4	FLP cum weatherproof squirrel cage induction motor rated at 90 KW, 550 V, 3 phase, 50 Hz, 1480 RPM in frame size-KF 280 M conforming to IS:2148-2004 & IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of oil mines.	Marathon Electric Motors (India) Limited, Paharpur Works, 58, Taratala Road, Kolkata-700 024	38 Group-IIA & IIB of 1989	25.05.2009
M5	FLP squirrel cage induction motor rated at 55 KW, 3 phase, 415 V, 50 Hz, 1500 RPM in frame size-KF 250 M conforming to IS:2148-2004 & IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of oil mines.	Marathon Electric Motors (India) Limited, Paharpur Works, 58, Taratala Road, Kolkata-700 024	39 Group-IIA & IIB of 1989	24.05.2009
M6	Flameproof fan cooled foot mounted squirrel cage induction motor rated at 1.5 KW, 2-8 pole, 3 phase, 415 V, 50 Hz, 1500 RPM in frame size-KF 112M conforming to IS:2148-2004 & IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of oil mines.	Marathon Electric Motors (India) Limited, Paharpur Works, 58, Taratala Road, Kolkata-700 024	70 of 1991	26.06.2009
M7	FLP squirrel cage induction motor rated at 2.2 KW, 415 V, 3 phase, 50 Hz, 1425 RPM in frame size KF-90S&L conforming to IS:2148-2004 & IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of oil mines.	Marathon Electric Motors (India) Limited, Paharpur Works, 58, Taratala Road, Kolkata-700 024	94 of 1992	28.02.2010
M8	Flameproof foot mounted squirrel cage induction motor rated at 125 KW, 3 phase, 550 V, 50 Hz, 1500 RPM in frame size-KF 315M conforming to IS:2148-2004 & IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of oil mines.	Marathon Electric Motors (India) Limited, Paharpur Works, 58, Taratala Road, Kolkata-700 024	97 of 1995	12.08.2009
M9	Flameproof squirrel cage induction motor rated at 30 KW, 550 V, 3 phase, 50 Hz, 1500 RPM in frame size-KF 200L conforming to IS:2148-2004 & IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines	Marathon Electric Motors (India) Limited, Paharpur Works, 58, Taratala Road, Kolkata-700 024	69 Group-IIA & IIB of 1991	28.02.2010

K1	Flameproof fan cooled, foot mounted squirrel cage induction motor rated at 220 KW, 3 phase, 370 A, 415 V in frame size LE-315L conforming to IS:2148-2004, IS:13346-2004 and IS:325-1996 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Kirloskar Electric Company Limited Unit-II Gokul Road, P.B. no.112 Hubli-580 030 (Karnataka).	171 of 1979	16.12.2009
K2	3 phase, rated voltage upto 650 V, 50 Hz, flameproof squirrel cage induction motors in frame sizes NE-112, NE-132, NE-160, NE-180 and NE-200 redesignated as frame sizes LE-112, LE-132, LE-160, LE-180 and LE-200, rated upto and including 3.7 KW, 1430 RPM, 5.5 KW, 2900 RPM, 11 KW, 2935 RPM, 22 KW, 1500 RPM and 30 KW, 2955 RPM respectively conforming to IS:2148-2004, IS:13346-2004 and IS:325-1996 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Kirloskar Electric Company Limited Unit-II, P.B. no.112 Hubli-580 030 (Karnataka).	36 of 1969	25.09.2009
K3	Flameproof squirrel cage induction motor in frame size-LE225M, rated at 37 KW, 75 A, 415 V, 3 phase, 50 Hz, 1475 RPM conforming to IS:2148-2004, IS:13346-2004 and IS:325-1996 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Kirloskar Electric Company Limited Unit-II, P.B. no.112 Hubli-580 030 (Karnataka).	226 of 1982	10.03.2009
K4	Flameproof fan cooled foot mounted squirrel cage induction motor rated at 37 KW, 415 V in frame size LE-250M conforming to IS:2148-2004, IS:13346-2004 and IS:325-1996 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Kirloskar Electric Company Limited Unit-II, P.B. no.112 Hubli-580 030 (Karnataka).	227 of 1982	31.12.2009
K5	Flameproof fan cooled foot mounted squirrel cage induction motor in frame size LE-280S/M rated at 125 KW, 415 V conforming to IS:2148-2004, IS:13346-2004 and IS:325-1996 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Kirloskar Electric Company Limited Unit-II, P.B. no.112 Hubli-580 030 (Karnataka).	245 of 1984	31.12.2009
K6	Flameproof squirrel cage induction	Kirloskar Electric	138 of 2004	18.03.2010

	motor rated at 300 KW, 3.3 KV, 6 pole, 3 phase, 50 Hz in frame size-FLP 355 in cast iron Gr. FG200 and mild steel fabricated construction conforming to IS:2148-2004, IS:4691-1985 & IS:13346-2004 for use in Zone 1 & Zone 2 hazardous areas of Oil Mines.	Company Limited Unit-II, P.B. no.112 Hubli-580 030 (Karnataka).		
T1	Flameproof/weatherproof explosionproof electric vibrator (electric motor with eccentric weights in both shaft-ends) rated at 2 HP, 415 V, 50 Hz, 3 phase, Ins. Class-F, motor designated by type CDX, in frame size 94.60 in cast iron construction conforming to IS:2148-2004, IS:13346-2004 & IS:4691-1985 manufactured by M/s Italvibras Giorgio Silingardi S.p.A., Italy for use in Zone 1 & Zone 2 hazardous areas of Oil Mines in India.	Technotalent F23-24, Kushal Garden Arcade Plot no. 1-A, Phase-II Peenya Industrial Area, Bangalore-560 058	179 of 2008	04.04.2010
T2	Flameproof/weatherproof explosionproof electric vibrator (electric motor with eccentric weights in both shaft-ends) rated at 0.5 HP, 415 V, 50 Hz, 3 phase, Ins. Class-F, designated by type CDX, in frame size 88.30-35 in cast iron construction conforming to IS:2148-2004, IS:13346-2004 & IS:4691-1985 manufactured by M/s Italvibras Giorgio Silingardi S.p.A., Italy for use in Zone 1 & Zone 2 hazardous areas of Oil Mines in India.	Technotalent F23-24, Kushal Garden Arcade Plot no. 1-A, Phase-II Peenya Industrial Area, Bangalore-560 058	178 of 2008	04.04.2010
T3	Flameproof/weatherproof explosionproof electric vibrator (electric motor with eccentric weights in both shaft-ends) rated at 3 HP, 415 V, 50 Hz, 3 phase, 1500 RPM, Ins. Class-F, motor designated by type CDX, in frame size 94.70 in cast iron construction conforming to IS:2148-2004, IS:13346-2004 & IS:4691-1985 manufactured by M/S	Technotalent Plot no. 392, 10 <sup>th</sup> Cross, Phase-IV, Peenya Industrial Estate, Bangalore- 560 058.	204 of 2009	25.05.2010

	Italvibras Giorgio Silingardi S.p.A., Italy for use in Zone 1 & Zone 2 hazardous areas of Oil Mines in India.			
T4	Flameproof/weatherproof explosionproof electric vibrator (electric motor with eccentric weights in both shaft-ends) rated at 1.5 HP, 415 V, 50 Hz, 3 phase, 1500 RPM, Ins. Class-F, motor designated by type CDX, in frame size 94.50 in cast iron construction conforming to IS:2148-2004, IS:13346-2004 & IS:4691-1985 manufactured by M/S Italvibras Giorgio Silingardi S.p.A., Italy for use in Zone 1 & Zone 2 hazardous areas of Oil Mines in India.	Technotalent Plot no. 392, 10 <sup>th</sup> Cross, Phase-IV, Peenya Industrial Estate, Bangalore-560 058.	205 of 2009	25.05.2010