

List of DGMS Approved Closed Circuit Self Contained Breathing Apparatus
As on 31.05.2023

S.No.	Name of apparatus	Manufacturer	Indian Agent	Validity
1.	Open Circuit Compressed Air Breathing Apparatus CABA 9000	M/s. Joseph Leslie Drager Manufacturing Pvt. Ltd., Leslico House, 4 th Floor, Prof. V.S. Agase, Dadar(W), Mumbai- 400 026.		31.12.2027
2.	Closed Circuit Self Contained Breathing Apparatus "P-30"	M/s JSC Donetsk Mine Rescue Equipment Plant, Ukrain	M/s Industrial Appliances & Technologies, 83 & 84, Chanditala Main Rd., Kolkata-53.	31.03.2017
3.	Self Contained Closed Circuit Oxygen Breathing Apparatus (PSSBG -4 EP)	M/s. Drager Safety AG & CO. KgaA, RevalstraBe 1, D-23560 Lu beck, Germany	M/s. Joseph Leslie Drager Manufacturing Pvt. Ltd., Leslico House, 4 th Floor, Prof. V.S. Agase, Dadar(W), Mumbai- 400 028.	31.08.2026
4.	Self Contained Oxygen Breathing Apparatus (Positive Pressure) Model BIOPAK 240R	M/s. Biomarine Ntron Inc, 456 Creamery Way, Exton, PA 19341, USA	M/s. Powertake Mining Pvt. Ltd., 27, Fathepur, G.T. Road, Sitarampur - 713 359, Asansol Dist. Burdwan.	29.09.2024
5.	Open Circuit Breathing Apparatus, model- Centurion	M/s. Vijay Sabre Safety Pvt. Ltd., Plot No.35, Chandivali Village, P.O.Box 8960 8960 Off. Saki Vihar Road, Mumbai-400072		04.11.2017
6.	Self Contained Closed Circuit Oxygen Breathing Apparatus, Model BG -174	M/s. Drager Safety AG & CO. KgaA, RevalstraBe 1, D-23560 Lu beck, Germany	M/s. Joseph Leslie Drager Manufacturing Pvt. Ltd., Leslico House, 4 th Floor, Prof. V.S. Agase, Dadar(W), Mumbai- 400 028.	Revoking of Withdrawal on 14.10.2015.
7.	Open Circuit Breathing Apparatus, Drager (Model- PAS LITE)	M/s. Drager Safety AG & CO. KgaA, RevalstraBe 1, D-23560 Lu beck, Germany	M/s. Drager Safety AG & CO. KgaA, RevalstraBe 1, D-23560 Lu beck, Germany	27.04.2024 (SA-01/2022)
8.	Positive Pressure type Self Contained Closed Circuit Compressed Oxygen Breathing Apparatus, Model P-70i	M/s DEZEKA SP-TURKEY	Aleksey Chernov, Dezege SP Guvenlik Urunleri Sanayi Ve Ticaret Anonim Sirket, EGE Serbest Bolgesi Zafer SB Mah Nilufer SK. No. 30, Gaziemir Izmir, Turkey-999999	31.12.2024

List of DGMS Approved Detonators As on 31.05.2023

Sl. No.	Name of the apparatus	Type of gassy seams	Type.	Name & addresses of Detonators the Manufacturer/Suppliers	Validity
1.	Copper Electric Detonators	I & II	Instantaneous	M/s. Premier Explosives Ltd., 'Premier House' No.11, Ishaq Colony, (Near AOC Centre), Secunderabad – 500 015 (A.P)	31.12.2015

2.	Copper Electric Detonators	III	Inst.	-do-	29.03.2014
3.	Copper Delay Detonators (0,1 to 6)	I & II III	Delay	-do- -do-	19.09.2017 09.11.2015
4.	Premier Coal Delay Detonators (Passivated MS Cell) Copper and Laquer coating	I	Delay	-do-	02.11.2017
5.	Premier Coal Delay Detonators	II	Delay	-do-	10.01.2018
6.	Premier Coal Delay Detonators (Passivated MS Cell)	III	Delay	-do-	15.06.2017
7.	MS Shell Electric Detonators	I	Instantaneous	-do-	16.03.2015
8.	MS Shell Electric Detonators	II	Instantaneous	-do-	29.03.2014
9.	MS Shell Electric Detonators	III	Instantaneous	-do-	26.07.2014
10.	Copper Electric Detonators with NHN	I&II	NHN	-do-	28.08.2020
11.	Copper Electric Detonators with NHN	III	NHN	-do-	17.03.2026
12.	Powder Coated Steel Shell Carrick Delay Detonators (No.0 to 6)	I, II & III	Delay	M/s. Indian Explosives Ltd., 10 Lee Road, Kolkata-20	05.02.2020
13.	Powder Coated Steel Shell Electric Instantaneous Detonators	I, II & III	Instantaneous	-do-	05.02.2013
14.	Coal Delay Detonators(CDD)	I, II & III	Delay	Gulf Oil Corpn. Ltd., Kukatpally, Post Bag No.1, Sanath Nagar, IE, Post Hyderabad – 500 018	31.12.2025
15.	Electric Detonators	I, II & III	Instantaneous	-do-	24.01.2022
16.	Solar Copper Delay Detonator (0-6)	I & II	Delay	M/s Solar Industries India Ltd. 11, Zade Layout, Bharat Nagar, Nagpur-440 033.	24.03.2024 & 08.03.2024
17.	Solar Copper Delay Detonator (0-6)	III	Delay	-do-	29.09.2020
18.	Solar Inst. Copper Electric Detonators (CED)	I & II	Inst.	-do-	29.03.2024, 19.11.2023
19.	Solar Inst. Copper Electric Detonators (CED)	III	Instantaneous	-do-	17.12.2019
20.	Solar Copper Delay Detonators (Epoxy Powder Coated steel shell) 0-6 nos.	I	Delay	-do-	16.02.2023
21.	Copper Electric Detonators (Epoxy Powder Coated Steel Shell)	I	Delay	-do-	20.11.2016
22.	Copper Electric Detonators (Epoxy Powder Coated Steel Shell)	II	Delay	-do-	09.03.2020
23.	Copper Electric Detonators (Epoxy Powder Coated Steel Shell)	II	Instantaneous	-do-	20.01.2025
24.	Supreme Instantaneous Copper Electric Detonators (CED)	I&II	Instantaneous	M/s Economic Explosive Ltd. . 11, Zade Layout, Bharat Nagar, Nagpur-440 033.	12.08.2022
25.	Copper Electric Detonator	III	Inst.	-do-	28.12.2019
26.	Supreme Copper Detonators (CDD)	I & II,	Delay	-do-	27.05.2023
27.	Supreme Copper Detonators (CDD)	III	Delay	-do-	18.09.2023

28.	Supreme Copper Delay Detonators (CDD) (Epoxy Powder coated steel shell)	I	Delay	M/s Economic Explosive Ltd. . 11, Zade Layout, Bharat Nagar, Nagpur-440 033.	30.9.2024
29.	Supreme Copper Delay Detonators (Epoxy Powder coated steel shell) (0-6)	II	Delay	M/s Economic Explosive Ltd.. 11, Zade Layout, Bharat Nagar, Nagpur-440 033.	29.06.2023
30.	Supreme Copper Delay Detonators (Epoxy Powder coated steel shell) (0-6)	III	Delay	M/s Economic Explosive Ltd. . 11, Zade Layout, Bharat Nagar, Nagpur-440 033.	17.05.2022
31.	Supreme Instantaneous Copper Electric Detonators (Epoxy Powder coated steel shell)	I	Instantaneous	-do-	16.01.2020
32.	Copper Electric Detonators	I	Instantaneous	M/s Ideal Detonators Pvt.Ltd. Ideal Towers, Oppo Bhel Enclave Akbar Road, Tadbund, Secunderabad-500 009 (A P)	02.11.2019
33.	Copper Electric Detonators	II & I	Instantaneous	-do-	10.05.2016 & 02.11.2014
34.	Copper Electric Detonators	III	Instantaneous	-do-	29.12.2020
35.	Super Coal Detonators 0 to 6 (SCCD)	I	Delay	-do-	10.03.2018
36.	Super Coal Detonators 0 to 6	II	Delay	-do-	15.10.2017
37.	Super Coal Detonators 0 to 6	III	Delay	-do-	29.12.2017
38.	Super Coal Delay Detonators (0- 6) with (Epoxy)	I	Delay	-do-	04.12.2026
39.	Super Coal Delay Detonators (0- 6) with (Epoxy)	II	Delay	-do-	15.01.2024
40.	Instantaneous Copper Electric Detonators with (Epoxy)	I	Instantaneous	-do-	15.01.2027
41.	Super Coal Delay Detonators (0- 6) with (Epoxy)	III	Delay	-do-	19.01.2024
42.	Instantaneous Copper Electric Detonators with (Epoxy)	II	Instantaneous	-do-	01.02.2027
43.	Instantaneous Copper Electric Detonators with (Epoxy)	III	Instantaneous	-do-	07.03.2024
44.	CED (AP-CED)	I	Instantaneous	M/s A P Exp (P) Ltd. Plot No 7. H No 3-47-7, Sripuri Colony , Karkhana Secunderabad-500 015.	17.03.2020
45.	CED (AP-CED)	II	Instantaneous	-do-	23.03.2024
46.	A.P.Permitted Delay Detonators 0 to 6 (AP PDD)	I	Delay	-do-	12.12.2022
47.	A.P.Permitted Delay Detonators 0 to 6 (AP PDD)	II	Delay	-do-	01.02.2020
48.	A.P.Permitted Delay Detonators 0 to 6 (AP PDD)	III	Delay	-do-	02.01.2023
49.	Copper Coated Steel Permitted Delay Detonators 0-6 APSPDD	I	Delay	-do-	24.08.2026
50.	Copper Coated Steel Permitted Electric Detonators APSED	I	Instantaneous	-do-	24.08.2023
51.	Copper Coated Steel Permitted Delay Detonators 0-6 APSPDD	II	Delay	-do-	17.12.2019
52.	Copper Coated Steel Permitted Electric Detonators APSED	II	Instantaneous	-do-	16.12.2019

53.	Copper Coated Steel Permitted Electric Detonators APSED	III	Instantaneous	-do-	16.01.2020
54.	Copper Coated Steel Permitted Delay Detonators 0-6 APSPDD	III	Delay	-do-	16.01.2020
55.	Super Permitted Electric Millisecond Delay Detonators	I & II	Delay	M/s Rajasthan Explosive & Chemicals Ltd., 13, First Floor, (Opp. Sri Venkateshwara College), Satya Niketan, New Delhi-110 021.	09.12.2015
56.	Super Permitted Electric Millisecond Delay Detonators	III	Delay	-do-	14.06.2015
57.	Super Electric Instantaneous Detonators	I & II	Inst	-do-	27.02.2020
58.	Super Electric Instantaneous Detonators	III	Inst	-do-	14.06.2016
59.	Copper Instantaneous Electric Detonators (CET), CDET-Electra-G	I	Inst.	M/s C-Det Explosive. Pvt. Ltd. 2 nd Floor, 79, Shivaji Nagar, Nagpur-440010.	10.05.2023
60.	Copper Electric Detonators, CDET-Electra-G (CED)	II	Inst.	-do-	29.12.2022
61.	Copper Electric Detonators (0-6) (CED), CDET-Electra-G	III	Inst..	-do-	30.08.2023
62.	Copper Electric Detonators (0-6), CDET-Vectra (CDD)	I	Delay.	-do-	26.05.2023
63.	Copper Electric Detonators (0-6), CDET-Vectra (CDD)	II	Delay.	-do-	29.12.2022
64.	Copper Electric Detonators (0-6)	III	Delay.	-do-	30.08.2021
65.	Copper Coated Instantaneous Electric Detonators (Electra-P)	I	Inst.	-do-	21.01.2020
66.	Permitted Delay electric Detonators- CDET Vectra PDD(0-6 delays)	I	Delay	-do-	10.07.2026
67.	Permitted Delay electric Detonators- CDET Vectra PDD(0-6 delays)	II	Delay	-do-	24.08.2023
68.	Permitted Copper Coated Inst. electric Detonators- CDET Electra- P	II	Inst.	Do	21.10.2021
69.	Permitted Delay electric Detonators- CDET Vectra PDD(0-6 delays)	III	Delay	-do-	16.01.2020
70.	Permitted Copper Coated Inst. electric Detonators- CDET Electra- P	III	Inst.	Do	10.04.2020
71.	Copper Delay Detonator (PDD) 0-5	I & II	Delay	M/s. Tamil Nadu Industries Explosive Ltd. TEL Post office Vellore Dist. 632 059.Tamilnadu	31.10.2012

List of approved Exploder as on 31.05.2023

Sl. No.	Name of the apparatus	Type of gassy seams	Type	Name & Addresses of the manufacturers/ suppliers	Validity
1.	Powerblast 30 shot Exploders	I,II & III	Exploder	M/s. United Electrical, P.O & Dist. Nagpur-440 002	20.01.2020
2.	Star Brand 25 shot Exploders(Ex-25)	I & II	-do-	M/s. Electrical Equipment Corpn., 314. Udyog Vihar, Phase - 6, Sector- 37, Gurgaon-122 001 (Haryana)	27.09.2026
3.	Rhino 25 shot Exploders	I & II	-do-	M/s. Electronic Equipment Manufacturing Co., 48, Beni Nandan Street, Kolkata-700 025	11.03.2020
4.	Rhino 100 shot Exploders		-do-	-do-	31.10.2024
5.	Rhino 12 shot Exploder Mark-II	III	-do-	M/s. Electronic Equipment Manufacturing Co., 48, Beni Nandan Street, Kolkata-700 025	16.09.2017

List of DGMS Approved Explosive As on 31.05.2023.

Sl. No.	Name of the apparatus	Type of gassy seams	Type.	Name & addresses of the Manufacturer/Suppliers	Validity
1.	Senatel 1000 (GE228)	I	P-1	M/s Indian Explosives Ltd, 10A Lee Road, Kolkata-700020	30.09.2021
2.	Powergel- 501 (GE220) (Senatel permittted 5000 (Code GE 220)	I, II,& III	P-5	-do-	30.11.2025
3.	Senatel 3000 (GE226)	I &II	P-3	-do-	09.07.2020
4.	Powering -(GE-281)	I	-	-do-	09.05.2021
5.	Permadyne (PE-3L)	I II & III	P-3	M/s IDL Explosives Ltd., Kukatpally, Post Bag No.-1, Sanathnagar (IE) P.O.Hyderabad-500 018. Telangana	30.11.2014
6.	Pentadyne (PE-5I)	I, II, & III	P-5	-do-	25.05.2014
7.	Monodyne (PE-1AE) Chub Packing	I	P-1	-do-	09.01.2012
8.	Pentadyne (PE-5I) Chub Pack ed	I & II	P-5	-do-	19.09.2022
9.	Pentadyne (PE-5I) Chub Pack ed	III	P-5	-do-	29.12.2025
10.	Permadyne PE-3L	I	P-3	-do-	09.01.2021
11.	Pentadyne (HP) composition 5E-5U	I	P-5	-do-	27.04.2020
12.	Pentadyne (HP) composition 5E-5U	II	P-5	-do-	26.04.2015
13.	Pentadyne (HP) composition 5E-5U	III	P-5	-do-	14.05.2015
14.	Godyne (PE-1A) a P-1	I	P-1	-do-	12.10.2019
15.	EMULCOAL-100 (Composition EP1-05), a P-1.	I	P-1	-do-	31.08.2020
16.	EMULCOAL-500 (composition EP5-01)	I	P-5	-do-	03.10.2023
17.	EMULCOAL-300 (Composition EP3-03)	I	P-3	-do-	12.01.2027
18.	EMULCOAL-300 (Composition EP3-03)	II	P-3	-do-	25.09.2022
19.	Detonating Code G Cord (Code D)	I	-	M/s Gulf Oil Corporation Ltd Kukatpally, Post Bag No.1,	13.09.2015

				Sanathnagar (IE) P.O.Hyderabad-500 018.	
20.	Powertel-5 (A/M)	I	P-5	M/s. Tamil Nadu Industrial Explosives Ltd. Tel Post Office Vellore, Dist. Tamil Nadu – 632 059	10.12.2020
21.	Powertel-1 (B-01),a P-1	I	P-1	M/s. Tamil Nadu Industrial Explosives Ltd. Tel Post Office Vellore, Dist. Tamil Nadu – 632 059	13.09.2016
22.	Super coal-5	I	P-5	M/s Solar Industries India Ltd, 11, Zade Layout, Bharat Nagar, Nagpur-440 033	
23.	Super coal-5	I, II&III	P-5	-do-	24.12.2019
24.	Super coal-3 (Code No.SEL/EM/07/P-3)	I&II	P-3	-do-	19.09.2026
25.	Super coal-1	I	P-1	-do-	25.04.2020
26.	Superme Coal-5, a P5	I	P-5	-do-	21.05.2024
27.	Shakticoal E-1 (Code No. EM-SBL/02), P-1	I	P-1	M/s. Special Blast Ltd., G-5, Wallfort Ozone, Near Fafadih Chowk, Raipur- 492 009, C.G.	27.05.2025
28.	Shakticoal E 1	I	P-1	Do	27.05.2020
29.	Shakti Coal E 5 (Code No EM-SBL/08)	I	P-5	-do-	12.01.2027
30.	Shakti Coal-E-5 (Code No. EM-SBL-08)	II	P-5	Do	09.01.2027
30.	Novacoal-5 (NFCL/A-9)	I &II	P-5	M/s Navbharat Fuse Co Ltd, Navbharat Udyog Bhawan, Ring Road No-1, Ravigram, Raipur-492006 (Chhattisgarh)	10.11.2024
31.	Novacoal-5	III	P-5	-do-	29.12.2020
32.	Novacoal-1 (NFCL/102)	I	P-1	-do-	01.10.2024
33.	MEC Coal-1	I	P-1	Ms Ama Industries Pvt Ltd, Maimoon Chambers, Ganghibagh.Nagpur-440002.	01.10.2024
34.	MEC Coal-5	I	P-5	-do-	01.10.2024
35.	Mec coal-5	II	P-5	-do-	29.12.2019
36.	Mec Coal-5	III	P-5	-do-	29.12.2015 (Not considered)
37.	Steming Plug "AMASTEM"	I		-do-	21.05.2016
38.	Kelvex-5 (KEL/CS/PERM/03A)	I	P-5	M/s Keltech Enrgies Ltd, Chowgule Hous, No- 18, Crescent Road Bangalore-566001.	05.09.2012
39.	Kelvex-310	I	P-1	-do-	05.09.2019
40.	Kelvex-330	I	P-3	-do-	05.09.2012
41.	BEL-MX-P101 (Code EM 905 P-1)	I	P-1	M/s.Bharat Explosive Ltd., Indraprakash (2 nd Floor),21 Barakhamba Road, New Delhi-110 001.	07.02.2020
42.	BEL-MX-P 301 (Code EM 918)	II	P-3	-do-	17.03.2020
43.	Colex-1 (CX-27)	I	P-1	M/s. Premier Explosives Ltd. "Premier House" NO. 11, Ishaq Colony, (Near AOC Centre) Secunderabad-500 015	25.08.2015

**Updated List of approved manufacturer/suppliers of safety items as on
31.05.2023**

Sl.No.	Name of the apparatus	Type of gassy seams	Approval No.	Name & addresses of the manufacturer/suppliers	Date of Validity
Gas Detectors & Systems					
1.	Pac EX-2 Methanometer	Coal Mines	SA-11/2005	M/s Drager Safety AG & Co. KgaA Revalstrasse 1.D- 23560,Lubek Germany.	08.11.2013
2.	Multigas Detector 'Miniwarn' to detect the presence of methane, carbon monoxide, carbon dioxide and oxygen.	Coal Mines	SA-10/2003	-do-	03.08.2014
3.	Polytron Fixed Gas Detector model Polytron IRUL. To be used as LMD in coal mines	Coal Mines	SA-16/2008	M/s Joseph Leslie Drager Manufacturing Pvt. Ltd., LESLICO House, Prof. V.S.Agashe Road, Dadar (W), Mumbai-400028	13.10.2012
4.	Portable Gas Detector model Pac 7000 CO & Pac 7000 O ₂ for measurement of carbon monoxide & Oxygen in belowground coal mines	Coal Mines	SA-7/2009 for Pac 7000 CO & SA-8/2009 for Pac 7000 O ₂	M/s Drager Safety AG & Co. KgaA Revalstrasse 1.D- 23560,Lubek Germany.	24.04.2023
5.	Multi Gas Detector model X-am 2000 for detection of methane, oxygen, carbon monoxide and Hydrogen sulphide gases in belowground coal mines	Coal Mines	SA-6/2009	-do-	24.4.2012
6.	Methanometer (Telegas 1000 AR)	Coal Mines	SA-6/96	Teledyne Ray " Srikunj" (4 th Floor) 238,B.T.Road,Kolkata –700 038	31.05.2020
7.	Portable Gas Detector type Pac III with CO and O ₂ sensor for detection of presence of Carbon monoxide and Oxygen in coal mines	Coal Mines	SA-5/2001	M/s Joseph Leslie Drager Mfg. Pvt. Ltd., Leslico House, 4 th floor, Off. 87 C, Prof. V.S.Agashe Road, Dadar (W), Mumbai-400028.	22.11.2012
8.	Portable Multi Gas Detector Gas Alert MICROCLIP XT (Oxymeter, Toximeter, Methanometer and H ₂ S gas Detector) can be used as single gas detector model MC-XWHM-B-OE fitted with Auxiliary filter kit model MC-AF-K1 for detection of CO, O ₂ , H ₂ S and combustible gases	Coal Mines	SA-12/2010	M/s Honeywell International (India) Pvt. Ltd., Sector-36, Pace City-II, Gurgaon-122004, Haryana.	01.12.2020
9.	Portable Single Gas Detector Gas Alert MICROCLIP XT Methanometer fitted with auxiliary filter kit model MC-AF-K1.	All type of mines	SA-2/2011	M/s Honeywell International (India) Pvt. Ltd., Sector-36, Pace City-II, Gurgaon-122004, Haryana.	16.2.2016
10.	Ultima Gas Detector (IR/Catalytic type) to be used as LMD in Coal Mines	Coal Mines	SA-16/2009	M/s Mines Safety Appliances Company, PO Box no. 427, Pittsburgh, PA 15230, USA	10.09.2025

11.	Multi Gas Detector model Gas Alert Micro 5 IR for detection of CO, CO ₂ , CH ₄ , O ₂ , H ₂ S	Coal Mines	SA-3/2012	M/s Honeywell International (India) Pvt. Ltd., Sector-36, Pace City-II, Gurgaon-122004, Haryana.	14.5.2017
12.	Personal Gas Monitor ToxiRAE 3 model PGM-1700 for detection of CO & H ₂ S gases for gas group I & IIC	All type of gassy seams	SA-12/2012	M/s RAE System Inc. (USA HQ), 3775, North First Street, San Jose CA95134, USA	26.12.2014
13	Multi Gas Detector model VENTIS MX4 with pump for detection of LEL(methane), oxygen, carbon monoxide and hydrogen sulphide	In all mines [Gas group I and zone 1 & 2 of II C atmosphere]	SA-09/2014	M/s Industrial Scientific Corporation, USA 1001 Oakdale Road, Oakdale, PA 15071-1500, United States of America.	19.11.2023
14	Methane and Carbon Monoxide gas detector model No. MP/CH ₄ CO-O ₂	Coal Mines	SA-04/2015	M/s M.P. Enterprises, Mohalbani (Near old coke bhatta), P.O.- Bhowra, Dist- Dhanbad – 828 392, Jharkhand	04.11.2024
15	Four Gas Personal Monitor, Model GX-2009 (Type –A)	Coal Mines	SA-02/2016	The Director, M/s Riken Keiki Company Ltd., 2-7-6, Azusawa Itabashi-Ku, Tokyo 174-8744, JAPAN	01.03.2021
16	GasAlert Extreme Model: GAXT-M	Gas Group IIA, IIB & IIC atmosphere in Metal & Oil Mines	SA-01/2017	Mr. Richard King, Director, Regulatory Approvals and International Compliances, M/s Honeywell Analytics Ltd., HAL, Stansford Road, Nuffield Industrial Estate, Poole, BH17 ORZ, United Kingdom.	09.04.2022
17	Portable Multi Gas Detector Model – X-am 5600 (type – MQG 01**)	Coal & Metal Mines	SA-04/2017	Mr. Anton Schrofner, M/s Drager Safety AG & Co., KGaA, Revalstrasse 1, 23560, Lubeck, Germany.	05.04.2027
18	Portable Multi Gas Detector, Model- X-am 2500 (type –MQG 0011)	Coal & Metal Mines	SA-05/2017	Mr. Anton Schrofner, M/s Drager Safety AG & Co., KGaA, Revalstrasse 1, 23560, Lubeck, Germany.	16.04.2027
19	Multi Gas Detector Model – ALTAIR 5X iR	Coal & Metal Mines	SA-06/2017	William M. Lambert, President, Chairman, CEO M/s Mine Safety Appliance Company, LLC, 1000 Cranberry Woods Drive, Cranberry Township, PA-16066-5296, USA	16.04.2022
20	Portable Multi Gas Detector Model – ALTAIR 4X	Coal & Metal Mines	SA-07/2017	William M. Lambert, President, Chairman, CEO M/s Mine Safety Appliance Company, LLC, 1000 Cranberry Woods Drive, Cranberry Township, PA-16066-5296, USA	05.04.2022
21.	Mobile Gas Detector Model Pac 6*00/8*00 (MOG 00*)	Coal & Metal	SA-03/2022	Mr. Anton Schrofner, M/s Drager Safety AG & Co., KGaA, Revalstrasse 1, 23560, Lubeck, Germany.	28.08.2027
22.	Gas Detector Model: GX-3R PRO	Coal & Metal	SA-02/2023	M/s Riken Keiki Co. Ltd., 276 Azusawa Itabashi Ku, Tokyo, Japan	22.05.2025
23.	Gas Detector Model: GX-3R	Coal & Metal	SA-01/2023	M/s Riken Keiki Co. Ltd., 276 Azusawa Itabashi Ku, Tokyo, Japan	22.05.2025
Noise Dosi Meter					

1.	Noise Dosi Meter model Noise Pro DLX for use in Underground & OpenCast Coal Mines	All seams	SA-11/2008	M/s Quest Technologies Inc. 1060, Corporate Centre Drive, Oconomowoc, Wisconsin 53066, US.	07.07.2017 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 03 dated 02.05.2016 .)
Environmental Monitoring System					
1.	Sensor & System Environmental monitoring System	-do-	SA-6/2003	M/s Jagdamba Tyre Retrading Co. Gandhi Nagar, Dhanbad-826001	03.07.2020
2.	Approval to use Programmable sensor controller TX-9042, single port repeater TX-2122.56 and multi port repeater TX-2122.57 alongwith single port isolator TX-2121 with Environmental Monitoring system	In all mines.	SA-68/95	Vishwa Microprocessors (P) Ltd., Crescent Tower First floor, 1 BD, 2296, A.J.C. Bose Road, Kolkata-700 020.	31.8.2025
3.	Intrinsically safe TX 6351-2 Sentro 1 Sensor/Transmitter & TX 9081 Sentro Trip Amp/Transmitter	Coal Mines	DGMS Approval No. 722 of 2017	M/s Trolex Ltd., 10 Newby Road, Hazel Grove, Stockport, SK7 5DY, United Kingdom (Vishwa Microprocessors Pvt. Ltd., 62A, Hazra Road, West Bengal, Kolkata-700 019	10.02.2027
Personnel Dust Sampler					
1.	Personal Dust Sampler model Side Kick-51MTX with NiMH battery pack	In all mines	SA-9/2006	M/s Swan Environmental Pvt. Ltd. 401-402, Nagasuri Plaza, (Behind Huda Maithrivanam) Hyderabad – 500 038.	30.11.2016 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 02 dated 02.05.2016 .)
2.	Personal Dust Sampler model CIP-10	I & II degree	SA-4/93	M/s Tecora, 211-213-215 rue la Fontaine FR-94134 Fontenay sous Bois Cedex, FRANCE	31.12.2014 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 02 dated 02.05.2016 .)
Cap lamp Bulbs					
1.	4V/0.8Amp. Krypton Gas filled Cap lamp bulb	Do	SA-7/91	Engel Industries, P.O.Puranderpur, P.O. Baruipur, 24 Paraganas (WB)	31.12.2015 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 08 dated 10.04.2015 .)
2.	4V/1A Amp. Krypton gas filled Cap lamp bulb(Engel Brand)	Do	SA-1/2001	-Do-	28.02.2016 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 08 dated 10.04.2015 .)
3.	4V/1.0Amp., 13.5 base Krypton gas filled cap lamp bulb	-do-	SA-4/2011	M/s Yagachi Auto Gadgets Pvt. Ltd., No. 4/37, N.G.R.Layout, Roopena Agrahara, Hosur Road, Bangalore – 560068	26.6.2016 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 08 dated 10.04.2015 .)
Cap Lamp					
1.	Oldham GT.Type Cap lamp (Also used 4v/1A bulb)	I, II & III	SA-2/89	Exide Industries Ltd.Oldham Division, 21/22 Alandur Road, Guindy, Chennai-600 032.	31.01.2020

2.	Intrinsically safe cum weatherproof (IP-65) miner's cap lamp model "Deepti"	-do-	SA-12/2009	M/s Flameproof Udyog Pvt. Ltd., Sector-B, Plot no. 106, Sirgitti Industrial Area, Bilaspur-495223 (C.G.)	28.04.2021
3.	SG-III Cap lamp	Do	SA-4/98	S.G.Electrochemicals Ltd.,20/1,Shalimr Road, Shalimar, Near Gate No.2,B.Garden,Howrah-	15.11.2019
4.	Miners Cap lamp(E4)	Do	SA-2/99	M/s HBL Power System Ltd. Sy.no.64 to 67 & 77 to 81, Kothur Mondal, Maheboobnagar Distt., Andhra Pradesh-509 223	19.05.2015
5.	Miner's Cap lamp (E-PP)	-Do-	SA-17/2004	M/s HBL Power System Ltd. Sy.no.64 to 67 & 77 to 81, Kothur Mondal, Maheboobnagar Distt., Andhra Pradesh-509 223	27.2.2012
6.	Cap Lamp of 4V, 12Ah with Translucent Battery & with 4V/1Amp. Prefocused bulb	-Do-	SA-6/2005	M/s S.G.Electrochemicals 20/1, Shalimar Road, PO. B. Garden, Howrah-711103.	28.02.2016
7.	Intrinsically safe cum-weatherproof (IP-65) Miner's safety cap lamp type MCL-4LM	-do-	SA-6/2007	FCG Hi-tech Pvt. Ltd. Shree Pant Bhuvan, Mamasahab Warekar Bridge, Mumbai-400007	30.11.2025
8.	Intrinsically safe cum weatherproof (IP-65) LED Miner's Safety Cap lamp	-do-	SA-21/2008	CSK Technologies, 1 st & 2 nd Floor, S.A.Towers, H.No. 3-5-885/1, Himayath Nagar, Near Old M.L.A. Qtrs., Hyderabad – 500029	21.11.2025
9.	Intrinsically safe rechargeable miner's Safety Cap lamp with internal battery type IS-RH-LED-01	-do-	SA-5/2008	Flameproof Equipment Pvt. Ltd., Plot No.B-39, (near Monginis), New Link Road, Andheri (W), Mumbai-400053	06.04.2020
10.	Intrinsically safe rechargeable miner's safety cap lamp with single LED of double filament type instead of 3 LEDs and the cable length of the caplamp till the external battery IS-RH-LED-02 would be upto 1.5 mts.	-do-	SA-5/2011	-do-	11.07.2026
11.	Intrinsically safe LED portable miner's cap lamp model 'Smartlite R/E'.	-do-	SA-7/2010	M/s Industrial Precision Products 62/A, Netaji Subhas Road, (2 nd Floor, Room no.17), Kolkata-01	31.5.2014
12.	Intrinsically safe rechargeable LED cap lamp with inbuilt battery model KL3LM	-do-	SA-8/2012	M/s Kwality Electricals Pvt. Ltd. 3-6-145/9, Himayatnagar, Hyderabad – 500 029	20.9.2014
13.	Miner's safety cap lamp with power LED lamps of 110 lumens, 3.6 volts, incorporating Lead-acid battery of 4 volts x 9 Ah to 12 Ah for use in underground mines	Coal & Metal Mines	SA-9/2012	M/s S.G.Electrochemicals, 20/1, Shalimar Road, PO: B. Garden, Howrah-711 103	26.11.2019
14	LED cap lamp model "Smartlite-L"	-do-	SA-02/2013	M/s Industrial Precision Products	23.01.2020

				62/A, Netaji Subhas Road, (2 nd Floor, Room no.17), Kolkata-01	
15	LED Miners' Safety Cap light with power Model (Type) – SG.III/LED	-do-	SA-08/2014	M/s S.G.Electrochemicals, 20/1, Shalimar Road, Shalimar (Near Gate No. 2), PO: B. Garden, Howrah-711 103	25.08.2021
16	LED Miners Cap Lamp (Lithium-Manganese battery) Model-ENG-1	Coal & Metal Mines Gas Group I atmosphere only	SA-02/2015	M/s Engel Industries, Purandarpur, PO- Baruipur, Dist – South 24 Paraganas, Kolkata – 700 144 (W.B.)	14.06.2020
17	Safety Cap light with built-in battery and cordless Model : MCL-2.5 LMP , LED Cap Lamp	Coal Mines	SA-07/2015	M/s FCG Hi-Tech Pvt. Ltd., Shree Pant Bhuwan, Mamasahab Warekar Bridge, Mumbai-400 007	26.10.2022
18	Intrinsically safe rechargeable cap lamp with methane sensor with external battery type IS-RH-LED-02	Gas Group 1 atmosphere in underground Coal mines	SA-05/2015	M/s Flameproof Equipments Pvt. Ltd., 'Flameproof House' Plot No. B-39, (Near Monginis), New Link Road, Andheri (W), MUMBAI- 400 053	04.11.2020
19	Cap light with built-in battery and cordless Model: MCL-2.5LM, LED Cap Lamp	Underground Coal Mines	SA-06/2015	M/s FCG Hi-Tech Pvt. Ltd., Shree Pant Bhuwan, Mamasahab Warekar Bridge, MUMBAI-400 007	04.11.2022
20	Intrinsically safe miner's LED Cap Lamp Model- KL4Ex	Gas Group I atmosphere in underground Coal & Metal Mines	SA-03/2016	M/s Shaanxi Star Coal Mine Safety Equipment Co. Ltd., No. 3699, Shangyuan Road, Eco-Industry Garden, Caotan E&T Development Zone X'an, 710018, Shaanxi, CHINA	11.04.2021
21	Intrinsically safe rechargeable Cap Lamp with inbuilt Li-ion battery type IS-RH-LED-05	Underground Coal Mines	SA-02/2018	M/s Flameproof Equipments Pvt. Ltd., 'Flameproof House' Plot No. B-39, (Near Monginis), New Link Road, Andheri (W), MUMBAI- 400 053	17.09.2023
22.	LED Cap Lamps, Model – DEW-X-4	Underground Coal Mines	SA-02/2019	M/s Dishant Engineering Works, 144/145, J.N. Mukherjee Road, Plot No.- 48, Near Shaktipur, Ghusury, Howrah – 711 107	13.01.2024
23	Ex-I Intrinsically safe Ex-I rechargeable LED Cap Lamp with built in battery Cat. No.PEW/CAP/Exi/051	Coal Mines	SA-01/2019	M/s Prompt Engineering Works, 18/2 Singh Industrial Estate, Ram Mandir Road, Goregaon (West) Bombay – 400 104	13.01.2024
24.	Intrinsically safe Rechargeable Cap Lamp with Inbuilt RF Drive Circuit (IS-RH-LED-11)	Coal Mines	SA-02/2022	M/s Flameproof Equipments Pvt. Ltd., 'Flameproof House' Plot No. B-39, (Near Monginis), New Link Road, Andheri (W), MUMBAI- 400 053	21.07.2024
Flame Safety Lamp					
1.	Velox GL-50 Type –Flame Safety lamp with snuffer device	III	SA-6/82	J.K.Dey & Sons,13, Old China Bazar Street,Calcutta-700 001	30.11.2019
2.	Velox GL-7	I,II & III	SA-7/70	J.K.Dey & Sons,13, Old China Bazar Street,Calcutta-700 001	14.9.2025

Fire Resistant Brattice Cloth					
1	Fire Resistant Brattice Cloth	For I,II & III degree.	SA-7/81	Swastic Mining Industries ,Dhobatand, Dhanbad.	28.02.2016 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 09 dated 10.04.2015.)
2.	Fire Resistant Brattice Cloth	-Do-	SA-13/2003	M/s Maa Kalyaneshwari Industries Upper Kulti (Punuri), PO. Kulti Dist. Burdwan (W.B)	30.09.2016 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 09 dated 10.04.2015)
3.	Fire Resistant Brattice Cloth	-do-	SA-4/82	M/s P.Kumar & Co. M.G.Road, Raniganj-713347 (W.B.)	31.08.2016 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 09 dated 10.04.2015)
4.	Fire Resistant Brattice Cloth	-do-	SA-5/2007	M/s Deshbandhu Udyog, G.T.Road (East), Neamatpur, PO: Sitarampur-713359 Dist. Burdwan (W.B)	31.7.2016 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 09 dated 10.04.2015)
5.	Fire Resistant Brattice Cloth	-do-	SA-9/91	M/s F. Harley & Co. Pvt. Ltd., 5, Rameshwar Shaw Road, Kolkata – 700014	28.2.2016 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 09 dated 10.04.2015)
Ventilation Ducting					
1.	Semi Rigid Flexible Ducting	All type of mines	SA-12/97	Anand Mincons ,B-99,Naraina Industrial Area, Phase-II, New Delhi –110 028	30.09.2015 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 09 dated 10.04.2015)
2	Flexible Ducting (forcing)	Do	SA-11/97	Do	30.9.2015 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 09 dated 10.04.2015)
3	Flexible Forcing Ventilation ducting.	Do	SA-20/97	M/s Ventilating Engg. Co.Pvt. Ltd. 1, Chatterjee International Centre (12 th Floor,Suit No. 11),33A,Jawaharalal Nehru Road, Kolkata-71	30.11.2015 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 09 dated 10.04.2015)
4.	Semi Rigid Ventilation Ducting	Do	SA-19/97	-Do-	30.1.2017 (Circular for approval by General Order issued vide DGMS Cir. (Approval) No. 09 dated 10.04.2015)
Waterbags					
1.	“Waterbags” model ‘Wata’ for use in Passive Explosion-Protection-Barrier system in thecapacity of 10,20 & 30 litres in galleries of U/G Coal mines for protectin against coal mines explosions	Coal Mines	SA-01/2013	Dr. Klaus Schulte GmbH Chemisch-Technische Fabrikation Kleyer Weg 40, DE-44149 Dortmund, Deutschland, GERMANY	17.01.2017
Auto Warning Device					
1	Autowarning Tell-Tale	Coal mines	SA-09/2013	M/s Nanda Manufacturing Company, 32A , Chittaranjan Avenue, 2 nd	21.10.2015 (Circular for approval by General Order issued vide DGMS/S&T /Tech Cir. (Approval)

				Floor, Kolkata – 700 012 , West Bengal	No. 15 dated 04.06.2015)
2	Auto Warning Tell-Tale model No. TPE/AWTT/1	-do-	SA-07/2014	M/s Techno Precision Engineers Pvt. Ltd., W-135, MIDC Area, Hingna Road, Nagpur – 440 016	27.07.2016 (Circular for approval by General Order issued vide DGMS/S&T /Tech Cir. (Approval) No. 15 dated 04.06.2015)
Coal Dust Explosibility Meter					
1	Coal Dust Explosibility Meter, Model – CDEM-1000	Coal Mines in Gas Group I atmosphere only.	SA-01/2016	M/s Sensidyne LP, 1000 112 th Circle North, Suite 100, St. Petersburg, Florida, USA	19.01.2026

Approved List of DGMS Approved Resuscitator on 31.05.2023

Sl. No.	Name of apparatus	Manufacturer	Indian Agent	Approval No.	Validity
1.	Handheld Resuscitator Model "CAREvent CA"	M/s.O-Two Medical Technologies Inc, 7575 Kimbel Street, Mississauga, Ontario, Canada L5S 1C8	M/s.Joseph Leslie Drager Manufacturing Pvt. Ltd., Leslico House, 4 th Floor, Prof. V.S.Agase Road, Dadar (W), Mumbai- 400 028.	SA 01/2007	31.01.2020
2.	Patient responsive resuscitator model "Oxylator FR-300"	The President, M/s.CPR Medical Devices Inc., 161 DON PARK ROAD, MARKHAM, ONTARIO, L3R 1C2, CANADA	M/s. Industrial Appliances & Technologies, Madhurima Housse, 83 & 84 Chanditala Main Road, Kolkata-700 053.	SA 02/2007	31.01.2018

Approved List of Self Rescuer as on 31.05.2023.

S.No.	Name of apparatus	Manufacturer	Indian Agent	Approval No.	Validity
1.	Chemical Oxygen Type Self Rescuer Model "OXYSR IS" (Duration 30 minutes)	M/s.Drager Safety AG & KgeA, Revalstrasse 1, D-23560 Lubeck, Germany.	M/s.Joseph Leslie Drager Manufacturing Pvt. Ltd., Leslico House, 4 th Floor, Prof. V.S.Agase, Dadar(W), Mumbai- 400 026.	SA-09/2008	25.04.2013
2.	Chemical Oxygen Type Self Rescuer Model "Ci-30" (Duration 30 minutes)	M/s DEZEGA Holding Ukraine Ltd., erstwhile JSC Donetsk Mine Rescue Equipment Plant, Ukrain	M/s Intech Safety Pvt. Ltd. Madhurima House, 83 & 84, Chanditala Main Rd., Kolkata-53.	SA-3/2007	30.09.2027
3.	Chemical Oxygen Type Self Rescuer Model-ЩЦС-I П (Duration 60 minutes)	M/s JSC Donetsk Mine Rescue Equipment Plant, Ukrain	M/s Intech Safety Pvt. Ltd. Madhurima House, 83 & 84, Chanditala Main Rd., Kolkata-53.	SA-16/2003	30.09.2026
4.	Chemical Oxygen Type Self Rescuer Model "Raksha Kavach" (Duration 30 minutes)	M/s. Suparna Chemicals Ltd., 54-A, Mittal Tower, Nariman Point, Mumbai-400 021.		SA-5/2004	16.02.2020

5.	Chemical Oxygen Self Rescuer Model (COSR) (Duration 30 minutes)	M/s. Hunan Coal Mines Safety Equipment Co.Ltd., Guanshaling Industrial Area, Yelulu District, Changsha City-410013. Hunan Province, CHINA	M/s. Vishwa Microprocessors Pvt. Ltd., 62A, Hazra Road, Kolkata-700 019	SA-01/2011	28.01.2019
6.	Chemical Oxygen Type Self Rescuer Model "SR-K30" (Duration 30 minutes)	M/s.FASER S.A. 42-600 TARNOWSKIE GORY, NAKIELSKA 42/44 Str, POLAND	M/s. Vijay Sabre Safety Pvt.Ltd., Plot No.35, Chandivali Village, Sakinaka, Mumbai- 400 072.	SA 08/2011	13.11.2015
7.	Self Rescuer, Model SR-100I	M/s. CSE Corporation, Monroeville, PA 15146, USA.	M/s. New Tech Sol, 69 Puttanna Road, Basavangudi, Bangalore-560 004	SA 11/2010	24.06.2020
8.	Self Rescuer, KO ₂ based model: "FENZY OXY PRO"	M/s. Honeywell Analytics Ltd., HAL, Hatch Pond House, 4 Stinsford Road, Nuffield Industrial Estate, Pool, BH17 ORZ, UK	M/s. Swati Safesecure Equipments Pvt. Ltd. B4, Krushal Commercial Complex, Behind Shopper's stop G.M. Road, Chembur (W), Mumbai- 400 089.	SA 07/2016	25.04.2021
9	Oxygen Self Contained Self Rescuers Model Oxy 6000 MK II (Duration 60 minutes)	M/s Draeger Safety AG & CO. KGaA, Revalstrasse 1, 23560 Lubeck, Germany	M/s Draeger Safety India Pvt. Ltd., 9 th & 10 th Floor, Commerz II, International Business Park, Oberoi Garden City, Off Western Express Highway, Goregaon (East), Mumbai 400 069	SA-01/2018	11.09.2023
10.	Chemical Oxygen type Self Contained Self Rescuer Model SHS-30 E	M/s Corporation Roshimzaschita, Corporation Roshimzaschita 19, MorshanskeyeShosse 392680, Tambov City, Tambov, Dist. Tambov, State: Tombav (Russia) – 392680	M/s AGG Lifesciences & Safety Solutions LLP, Bhopal, A-205, Minal Residency (Old), J.K. Road, Bhopal (M.P.), India – 462 023	SA-03/2019	20.05.2024