Updated List of approved manufacturer/suppliers of safety items as on 01.05.2018

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.	24.04.2021
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" (4th 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, 4th 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 H2S gas Detector) can be used as single gas detector model MC-XWHM-B-OE fitted with Auxilary filter kit model MC-AF-K1 for detection of CO, O2, H2S 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 Multi Gas Detector model 'TETRA' for detection of presence of methane, hydrogen sulphide, oxygen and carbon monoxide gases in oil mines	In Oil mines	SA-17/2008	M/s Detection Instruments (India) Pvt. Ltd., Post Box no.9, Electronic Zone, TTC Industrial Area, MIDC-Mahape, Navi Mumbai-400710 (M.H.)	20.10.2015 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**

10.	Fixed Gas Detector Polytron IR UL for measurement of combustible gases in oil mines	In oil mines	SA-5/2006	M/s Drager Safety AG & Co.KgaA, RevalstraBe 1, D-23560, Lubeck, GERMANY	30.6.2020 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**
11.	Infrared Flammable Gas Detector model 'NIMBUS'	In Oil mines	SA-4/2008	M/s Detection Instruments (India) Pvt. Ltd., Post Box no.9, Electronic Zone, TTC Industrial Area, MIDC-Mahape, Navi Mumbai-400710 (M.H.)	08.04.2017 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**
12.	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
13.	Combustible Gas Detector model 96 HD manufactured by M/s Crowcon Detection Instrument in collaboration with Detection Instrument (India) Pvt. Ltd. for measurement of combustible and toxic gases in Zone 1 & Zone 2 hazardous area in Oil mines	In Oil Mines	SA-4/2007	M/s Detection Instruments (India) Pvt. Ltd., Post Box no.9, Electronic Zone, TTC Industrial Area, MIDC-Mahape, Navi Mumbai-400710 (M.H.)	08.4.2012 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**
14.	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, Pittsburg, PA 15230, USA	10.09.2020
15.	Multi Gas Detector model Gas Alert Micro 5 IR for detection of CO, CO2, CH4, O2, H2S	Coal Mines	SA-3/2012	M/s Honeywell International (India) Pvt. Ltd., Sector-36, Pace City-II, Gurgaon-122004, Haryana.	14.5.2017
16.	Personal Gas Monitor ToxiRAE 3 model PGM-1700 for detection of CO & H2S 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
17.	Continuous combustible gas detection transmitter for hydro carbons, model : Expo 98FLT/FTD for use in Zone 1 & Zone 2 hazardous area in oil mines	In Oil mines	SA-126/2003	M/s Endee Engineers Pvt. Ltd., D-120-122, Ansa Industrial Estate, Saki-Vihar Road, Mumbai-72	30.09.2017 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**
18	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.	19.11.2019
19	Hydrocarbon Gas Detector model IR 700	In Oil mines [Gas Group II B + H_2]	SA-10/2014	M/s Detcon Incorporated, 4055, Technology Forest Blvd., The Wooelands, Texas, 77381, United States of America.	07.12.2019 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**

20	Hydrogen Sulphide Gas Detector model DM700	In Oil mines Zone 1 & Zone 2 [Gas Group II B + H_2]	SA-01/015	M/s Detcon Incorporated, 4055, Technology Forest Blvd., The Wooelands, Texas, 77381, United States of America.	14.06.2020 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**
21	Infrared Hydrocarbon Detector model IR MAX with display	In Oil Mines in Zone I and Gas Group IIC atmosphere only.	SA-03/2015	M/s Crowcon Detection Instrument Ltd., 2 Blacklands Way, Abingdon Business Park, Abingdon, Oxfordshire OX14 1DY, UK.	11.06.2020 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**
22	Methane and Carbon Monoxide gas detector model No. MP/CH4CO-O2	Coal Mines	SA-04/2015	M/s M.P. Enterprises, Mohalbani (Near old coke bhatta), P.O.- Bhowra, Dist-Dhanbad – 828 392, Jharkhand	04.11.2020
23	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
24	Multi Gas Detector Model MX-51/65	Oil Mines	SA-08/2016	The Managing Director, M/s Endee Engineers Pvt. Ltd. , D-122, Ansa Industrial Estate, Saki-Vihar Road, Sakinaka, Mumbai – 400 072	27.10.2021 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**
25	PointWatch Infrared type Hydrocarbon Gas Detector, Model - PIRECL	Gas Group IIB & IIC and Zone 1 & 2 atmosphere only in Oil Mines	SA-04/2016	The President, M/s Detector Electronics Corporation (Det-tronics), 6901 West 110th Street, Minneapolis, MN 55438, United States of America.	08.03.2021 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**
26	Open path Infrared type Hydrocarbon Gas Detector, Model- OPECL	Gas Group IIB & IIC and Zone 1 & 2 atmosphere only in Oil Mines.	SA-05/2016	The President, M/s Detector Electronics Corporation (Det-tronics), 6901 West 110th Street, Minneapolis, MN 55438, United States of America.	08.03.2021 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**
27	Multi-Spectrum Infrared Flame Detector, Model – X 3301	Gas Group IIB & IIC and Zone 1 & 2 atmosphere only in Oil Mines.	SA-06/2016	The President, M/s Detector Electronics Corporation (Det-tronics), 6901 West 110th Street, Minneapolis, MN 55438, United States of America.	14.03.2021 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**

28	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
29	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.	05.04.2022
30	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.	16.04.2022
31	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 Cranbery Woods Drive, Cranberry Township, PA-16066-5296, USA	16.04.2022
32	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 Cranbery Woods Drive, Cranberry Township, PA-16066-5296, USA	05.04.2022
33	GasAlert Extreme Gas Detector Model – GAXT-X for detection of O_2	Oil Mines	SA-02/2017	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.	10.05.2022 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**
34	GasAlert Extreme Gas Detector Model – GAXT-H-2 for detection of H_2S	Oil Mines	SA-03/2017	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.	10.05.2022 **As per Regulation 107(2) of OMR,2017 no specific approval is required to be issued for electrical appliance, equipment, machinery or other material to be used in Zone 1 & Zone 2 hazardous area locations of the oil mines**
Noise Dosi Meter					
1.	Noise Dosi Meter model Noise Pro DLX for use in Undergound & 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	03.07.2018
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., Cresent Tower First floor,1 BD,2296,A.J.C.Bose Road,Kolkata-700 020.	31.8.2020

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.)	28.04.2019
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 Translucant 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, Mamasaheb Warekar Bridge, Mumbai-400007	30.11.2020
8.	Intrinsically safe cum weatherproof (IP-65) LED Miner's Safety Cap lamp	-do-	SA-21/2008	`CSK Technologies, 1st & 2nd Floor, S.A.Towers, H.No. 3-5-885/1, Himayath Nagar, Near Old M.L.A. Qtrs., Hyderabad – 500029	21.11.2020
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-	11.07.2016
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, (2nd 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 62/A, Netaji Subhas Road, (2nd Floor, Room no.17), Kolkata-01	23.01.2020
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, Mamasaheb Warekar Bridge, Mumbai-400 007	26.10.2020
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, Mamasaheb Warekar Bridge, MUMBAI-400 007	04.11.2020
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
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	14.9.2020
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 (12th 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, 2nd Floor, Kolkata – 700 012 , West Bengal	21.10.2015 **(Circular for approval by General Order issued vide DGMS/S&T /Tech Cir. (Approval) 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 112th Circle North, Suite 100, St. Petersburg, Florida, USA	19.01.2021

List of Breathing Apparatus. As on 01.05.2018

S.No.	Name of apparatus	Manufacturer	Indian Agent	Validity
1.	Open Circuit Compressed Air Breathing Appratus CABA 9000	M/s.Joseph Leslie Drager Manufacturing Pvt. Ltd., Leslico House, 4th Floor, Prof. V.S.Agase, Dadar(W), Mumbai- 400 026.		31.12.2017
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 Close Circuit Oxygen Breathing Apparatus BG -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, 4th Floor, Prof. V.S. Agase, Dadar(W), Mumbai- 400 028.	30.08.2021
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.	30.09.2017
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, 4th Floor, Prof. V.S. Agase, Dadar(W), Mumbai- 400 028.	Revoking of Withdrawal on 14.10.2015.

List of approved Exploder as on 01.05.2018

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)	27.09.2021
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-	31.10.2020
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 01.05.2018.

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) (Senetal permtted 5000 (Code GE 220)	I, II,& III	P-5	-do-	30.112020
3.	Senatel 3000 (GE226)	I &II	P-3	-do-	09.07.2020
4.	Powerring –(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.Hyderbad-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-	19.09.2017
9.	Pentadyne (PE-5I) Chub Pack ed	III	P-5	-do-	29.12.2020
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-!A) 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-	03.10.2021
17.	EMULCOAL-300 (Composition EP3-03)	I	P-5	-do-	11.01.2022
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, Sanathnagar (IE) P.O.Hyderabad-500 018.	13.09.2015
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	I&II	P-3	-do-	19.09.2021
25.	Super coal-1	I	P-1	-do-	25.04.2020
26.	Shakticoal	I	P-1	M/s. Special Blast Ltd., G-5, Wallfort Ozone, Near Fafadih Chowk, Raipur- 492 009, C.G.	31.07.2015
27.	Shakticoal E 1	I	P-1	Do	27.05.2020

28.	Shakti Coal E 5 (Code No EM-SBL/08)	I	P-5	-do-	11.01.2022
29.	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)	10.11.2020
30.	Novacoal-5	III	P-5	-do-	29.12.2020
31.	Novacoal-1 (NFCL/102)	I	P-1	-do	01.10.2020
32.	MEC Coal-1	I	P-1	Ms Ama Industries Pvt Ltd, Maimoon Chambers, Ganghibagh.Nagpur-440002.	01.10.2020
33.	MEC Coal-5	I	P-5	-do-	01.10.2020
34.	Mec coal-5	II	P-5	-do-	29.12.2017
35.	Mec Coal-5	III	P-5	-do-	29.12.2015 (Not considered)
36.	Steming Plug "AMASTEM"	I		-do-	21.05.2016
37.	Kelvex-5 (KEL/CS/PERM/03A)	I	P-5	M/s Keltech Engrgies Ltd, Chowgule Hous, No- 18, Crescent Road Bangalore-566001.	05.09.2012
38.	Kelvex-310	I	P-1	_do-	05.09.2019
39.	Kelvex-330	I	P-3	_do-	05.09.2012
40.	BEL-MX-P101 (Code EM 905 P-1)	I	P-1	M/s.Bharat Explosive Ltd., Indraprakash (2nd Floor),21 Barakhamba Road, New Delhi-110 001.	07.02.2020
41.	BEL-MX-P 301 (Code EM 918)	II	P-3	-do-	17.03.2020
42.	Colex-1 (CX-27)	I	P-1	M/s. Premier Explosives Ltd. "Premier House" N0. 11, Ishaq Colony, (Near AOC Centre) Secunderabad-500 015	25.08.2015

List of DGMS Approved Detonators As on 01.05.2018

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-	17.03.2021
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	31.12.2020
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.	24.03.2020
17.	Solar Copper Delay Detonator (0-6)	III	Delay	-do-	29.09.2020
18.	Solar Inst. Copper Electric Detonators (CED)	I & II	Inst.	-do-	29.03.2020
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-	16.02.2021
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-	20.01.2021
24.	Supreme Instantaneous	I&II	Instantaneous	M/s Economic Explosive Ltd. . 11,	12.08.2020

	Copper Electric Detonators (CED)			Zade Layout, Bharat Nagar, Nagpur-440 033.	
25.	Copper Electric Detonator	III	Inst.	-do-	28.12.2019
26.	Supreme Copper Detonators (CDD)	I &II, III	Delay	-do-	27.05.2021 18.09.2021
27.	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.	30.9.2020
28.	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.	29.06.2021
29.	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.	17.05.2020
30.	Supreme Instantaneous Copper Electric Detonators (Epoxy Powder coated steel shell)	I	Instantaneous	-do-	16.01.2020
31.	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
32.	Copper Electric Detonators	II & I	Instantaneous	-do-	10.05.2016 & 02.11.2014
33.	Copper Electric Detonators	III	Instantaneous	-do-	29.12.2020
34.	Super Coal Detonators 0 to 6 (SCCD)	I	Delay	-do-	10.03.2018
35.	Super Coal Detonators 0 to 6	II	Delay	-do-	15.10.2017
36.	Super Coal Detonators 0 to 6	III	Delay	-do-	29.12.2017
37.	Super Coal Delay Detonators (0- 6) with (Epoxy)	I	Delay	-do-	05.12.2019
38.	Super Coal Delay Detonators (0- 6) with (Epoxy)	II	Delay	-do-	16.01.2020
39.	Instantaneous Copper Electric Detonators with (Epoxy)	I	Instantaneous	-do-	16.01.2020
40.	Super Coal Delay Detonators (0- 6) with (Epoxy)	III	Delay	-do-	20.01.2020
41.	Instantaneous Copper Electric Detonators with (Epoxy)	II	Instantaneous	-do-	02.02.2020
42.	Instantaneous Copper Electric Detonators with (Epoxy)	III	Instantaneous	-do-	09.03.2020
43.	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
44.	CED (AP-CED)	II	Instantaneous	-do-	23.03.2022
45.	A.P.Permitted Delay Detonators 0 to 6 (AP PDD)	I	Delay	-do-	12.12.2020
46.	A.P.Permitted Delay Detonators 0 to 6 (AP PDD)	II	Delay	-do-	01.02.2020
47.	A.P.Permitted Delay Detonators 0 to 6 (AP PDD)	III	Delay	-do-	02.01.2021
48.	Copper Coated Steel Permitted Delay Detonators 0-6 APSPDD	I	Delay	-do-	24.08.2021
49.	Copper Coated Steel Permitted Electric Detonators APSED	I	Instantaneous	-do-	24.08.2021
50.	Copper Coated Steel	II	Delay	-do-	17.12.2019

	Permitted Delay Detonators 0-6 APSPDD				
51.	Copper Coated Steel Permitted Electric Detonators APSED	II	Instantaneous	-do-	16.12.2019
52.	Copper Coated Steel Permitted Electric Detonators APSED	III	Instantaneous	-do-	16.01.2020
53.	Copper Coated Steel Permitted Delay Detonators 0-6 APSPDD	III	Delay	-do-	16.01.2020
54.	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
55.	Super Permitted Electric Millisecond Delay Detonators	III	Delay	-do-	14.06.2015
56.	Super Electric Instantaneous Detonators	I&II	Inst	-do-	27.02.2020
57.	Super Electric Instantaneous Detonators	III	Inst	-do-	14.06.2016
58.	Copper Instantaneous Electric Detonators	I	Inst.	M/s C-Det Explosive. Pvt. Ltd. 2nd Floor, 79,Shivaji Nagar, Nagpur-440010.	10.05.2021
59.	Copper Electric Detonators	II	Inst.	-do-	29.12.2020
60.	Copper Electric Detonators (0-6)	III	Inst..	-do-	30.08.2021
61.	Copper Electric Detonators (0-6)	I	Delay.	-do-	26.05.2021
62.	Copper Electric Detonators (0-6)	II	Delay.	-do-	29.12.2020
63.	Copper Electric Detonators (0-6)	III	Delay.	-do-	30.08.2021
64.	Copper Coated Instantaneous Electric Detonators (Electra-P)	I	Inst.	-do-	21.01.2020
65.	Permitted Delay electric Detonators- CDET Vectra PDD(0-6 delays)	I	Delay	-do-	10.07.2021
66.	Permitted Delay electric Detonators- CDET Vectra PDD(0-6 delays)	II	Delay	-do-	24.08.2018
67.	Permitted Copper Coated Inst. electric Detonators- CDET Electra- P	II	Inst.	Do	21.10.2021
68.	Permitted Delay electric Detonators- CDET Vectra PDD(0-6 delays)	III	Delay	-do-	16.01.2020
69.	Permitted Copper Coated Inst. electric Detonators- CDET Electra- P	III	Inst.	Do	10.04.2020
70.	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

Approved List of DGMS Approved Resuscitator on 01.05.2018

Sl. No.	Name of apparatus	Manufacturer	Indian Agent	Approval No.	Validity
1.	Handheld Resuscitator Model "CAREvent CA"	M/s.O-Two Medical Technogies Inc, 7575 Kimbel Street, Mississauga, Ontario, Canada L5S IC8	M/s.Joseph Leslie Drager Manufacturing Pvt. Ltd., Leslico House, 4th 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 IC2, 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 01.05.2018.

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, 4th 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 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	30.09.2017
3.	Chemical Oxygen Type Self Rescuer Model-ШСС-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	30.09.2021
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