

GOVERNMENT OF INDIA
Petroleum and Explosives Safety Organisation (PESO)
“A” Block, 5th Floor, CGO Complex,
Seminary Hills, Nagpur- 440006

LIST OF AUTHORISED EXPLOSIVES - GENERAL (Validated upto February - 2017)

Sr. No.	Name and address of the Manufacturer	Item No.	PESO's Brand ID	Brand Name of the Explosives	Generic Name of the Explosives	Class	Division	Sub Division	Category	Unit	Site Mixed Explosives (SME) or Not	Defence / Civil Explosives
Explosives - General Items		1	1	Gun powder	Gunpowder	1			ZZ	Kg.		
		2	1204	Gunpowder (Defence)	Gunpowder	1			ZZ	Kg.		
		3	952	ANFO (SME) - Ammonium Nitrate Fuel Oil Mixture	SME-ANFO	2			ZZ	Kg.	SME	
		4	811	ANFO - Ammonium Nitrate Fuel Oil Mixture	ANFO	2			ZZ	Kg.		
		5	969	Nitroglycerine – Precursor of Liquid Desensitised Explosives for Bulk Drug Substances	Nitroglycerine - Bulk Drug Precursor	3	1		ZZ	Kg.		
		6	843	Tetranitromethylaniline / TrinitrophenylmethylNitramine (Tetryl)	Tetryl	3	2		ZZ	Kg.		
		7	812	Picric Acid	Picric Acid	3	2		ZZ	Kg.		
		8	959	Nitroguanidine (Picrite)	Nitroguanidine	3	2		ZZ	Kg.		
		9	582	Tri-Nitro Recorcinol (Styphnic Acid)	Styphnic Acid	3	2		ZZ	Kg.		
		10	815	Di-Nitro Phenol	Di-Nitro Phenol	3	2		ZZ	Kg.		
		11	599	Tri-Nitro Toluene (TNT)	TNT	3	2		ZZ	Kg.		
		12	816	Nitrocellulose	Gun Cotton	3	2		Y	Kg.		
		13	913	Cyclotetramethylenetetranitramine (HMX/Octogen)	HMX	3	2		ZZ	Kg.		
		14	581	PETN- Pentaerythritol Tetranitrate	PETN	3	2		ZZ	Kg.		
		15	946	Metal Cladding Powder	Metal Cladding Powder	3	2		ZZ	Kg.		
		16	957	TNT Cast Booster	Cast Booster	3	2		ZZ	Kg.		
		17	813	Cyclotrimethylenetrinitramine (RDX/Hexogen)	RDX	3	2		ZZ	Kg.		
		18	1038	CL 20 - Defence	CL 20	3	2		ZZ	Kg.		
		19	958	Pek1(Plastic Explosives)	Plastic Explosives	3	2		ZZ	Kg.		

20	916	Carrick Cartridge	Nonex Carrick Cartridge	3	2		ZZ	Kg.		
21	1107	HNS (Hexa Nitro Stilbene)	Cast Booster	3	2		ZZ	Kg.		
22	1252	RDX Compounded Product - Defence	RDX Compounded Product	3	2		ZZ	Kg.		
23	1270	HMX Compounded Product - Defence	HMX Compounded Product	3	2		ZZ	Kg.		
24	1110	OCTOL - Defence	HMX Compounded Product	3	2		ZZ	Kg.		
25	1119	OKFOL - Defence	HMX Compounded Product	3	2		ZZ	Kg.		
26	1118	OMA - Defence	HMX Compounded Product	3	2		ZZ	Kg.		
27	1187	Pre Charge Assembly (HMX based) - Defence	HMX Compounded Product	3	2		ZZ	Kg.		
28	1205	Booster (Relay/Pellet) - IMPORTED	Cast Booster	3	2		ZZ	Kg.		
29	1156	Booster Relay	Cast Booster	3	2		ZZ	Kg.		
30	1157	Booster Pellet	Cast Booster	3	2		ZZ	Kg.		
31	884	Propellant Mortars - Defence - 884	Propellant Mortars	4	2		Y	Nos.		
32	1183	Propellant (Non-NG) - Defence - 1183	Propellant (Non-NG)	4	2		Y	Kg.		
33	1189	Propellant (NG based) - Defence - 1189	Propellant (NG based)	3	1		Y	Kg.		
34	820	Fulminate of Mercury	Fulminate of Mercury	5	1		ZZ	Kg.		
35	818	Lead Azide	Lead Azide	5	2		ZZ	Kg.		
36	819	Lead Styphnate (Lead Tri Nitro Resorcinate)	Lead Styphnate	5	2		ZZ	Kg.		
37	1037	Tetrazine	Tetrazine	5	2		ZZ	Kg.		
38	968	Cartridges Power Devices	Cartridges Power Devices	6	3		Y	Nos.		
39	1000	Percussion Cap	Percussion Cap	6	1		Y	Nos.		
40	425	Safety Fuse	Safety Fuse	6	1		Y	Mtrs		
41	917	Safety Cartridge	Safety Cartridge	6	1		Y	Nos.		
42	1257	Electronic PD Fuze (5 - 30 gm) - Defence	Military Fuzes (5 - 30 gm) - Defence	6	1		ZZ	Nos.		
43	1258	Electronic Proxy Fuze (5 - 30 gm) - Defence	Military Fuzes (5 - 30 gm) - Defence	6	1		ZZ	Nos.		
44	1259	Multimode Hand Grenade Fuze (1 - 5 gm) - Defence	Military Fuzes (1 - 5 gm) - Defence	6	1		ZZ	Nos.		
45	1260	Electronic Time Fuze (1 - 5 gm) - Defence	Military Fuzes (1 - 5 gm) - Defence	6	1		ZZ	Nos.		
46	1261	Safe & Arming Fuze (1 - 5 gm) - Defence	Military Fuzes (1 - 5 gm) - Defence	6	1		ZZ	Nos.		
47	1082	Safety Cartridge	Safety Cartridge	6	2		Y	Nos.		
48	945	Combustible Cartridge Case - Defence	Safety Cartridge	6	2		Y	Kg.		
49	1190	Munitions (Defence) - 1190	Munitions (Defence)	6	2		ZZ	Nos.		
50	468	Pyrodevises	Pyrodevise	6	3		Y	Nos.		
51	886	Ignitors Percussion Caps	Ignitors Percussion Cap	6	2		ZZ	Nos.		
52	1003	Delay Igniters (Under Trial)	Delay Igniters	6	2		Y	Nos.		
53	1004	Primary Cloth Disc (Under Trial)	PC Disc	6	2		Y	Nos.		
54	912	Delay Elements	Delay Element	6	2		Y	Nos.		
55	823	Detonating Fuse / Cord	Detonating Fuse	6	2		ZZ	Mtrs		
56	971	Fuse Heads	Fuse Heads	6	2		Y	Nos.		
57	583	Fuse Heads for Electrical Detonators	Fuse Heads	6	2		Y	Nos.		
58	584	Soldered Fuse Heads for Electrical Detonators	Fuse Heads	6	2		Y	Nos.		
59	585	Shock Tubes for Non-Electrical Detonators	Shock Tube for NONEL	6	2		Y	Mtrs		
60	824	Detonating Fuse / Cord (IMPORTED)	Detonating Fuse (IMPORTED)	6	2		ZZ	Mtrs		
61	814	Shaped Charge (IMPORTED)	Shaped Charge (IMPORTED)	6	2		ZZ	Nos.		

62	1102	Electric/Electronic Fuses / Squibs	Electric Fuses / Squibs	6	2		Y	Nos.		
63	469	Tear Gas Grenade	Grenade	6	3		Y	Nos.		
64	1018	Smoke Grenade	Grenade	6	3		Y	Nos.		
65	1019	Stun Grenade	Grenade	6	3		Y	Nos.		
66	825	Detonators Electric (IMPORTED)	Detonator Electric	6	3		ZZ	Nos.		
67	1002	Detonators Assembly Non-electric (IMPORTED)	Detonators Assembly Non-electric (IMPORTED)	6	3		ZZ	Nos.		
68	826	Ordinary Detonator	Detonator	6	3		ZZ	Nos.		
69	586	Aluminium Filled Shells	Filled Shell	6	3		ZZ	Nos.		
70	591	Aluminium Short Delay Filled Shells	Filled Shell	6	3		ZZ	Nos.		
71	590	Aluminium Long Delay Filled Shells	Filled Shell	6	3		ZZ	Nos.		
72	587	Copper Filled Shells	Filled Shell	6	3		ZZ	Nos.		
73	588	Copper Delay Filled Shells	Filled Shell	6	3		ZZ	Nos.		
74	1181	Steel Filled Shells	Filled Shell	6	3		ZZ	Nos.		
75	1182	Steel Delay Filled Shells	Filled Shell	6	3		ZZ	Nos.		
76	589	NONEL Filled Shells	Filled Shell	6	3		ZZ	Nos.		
77	592	Cord Relay Filled Shells	Filled Shell	6	3		ZZ	Nos.		
78	593	Seismic Filled Shells	Filled Shell	6	3		ZZ	Nos.		
79	827	Electronic Detonator Filled Shells	Filled Shell	6	3		ZZ	Nos.		
80	1207	Electronic Detonators	Detonator Electronic	6	3		ZZ	Nos.		
81	1212	Electric Detonators	Detonator Electric	6	3		ZZ	Nos.		
82	1101	Ignitors	Ignitors	6	3		Y	Nos.		
83	828	L.O.X. (Liquid Oxygen Explosives)	L.O.X.	8			ZZ	Kg.		
84	1267	Pyro Composition TO-34 - Defence	Pyrotechnic Compositions - Defence	7	1	0	ZZ	Kg.		
85	1268	Pyro Composition NOA-32 - Defence	Pyrotechnic Compositions - Defence	7	1	0	ZZ	Kg.		
86	1269	Pyro Composition NOA-34 - Defence	Pyrotechnic Compositions - Defence	7	1	0	ZZ	Kg.		
87	1099	Pyrotechnic Capsules	Pyrotechnic Capsules	7	2	2	X	Kg.		
88	1100	Pyrotech Cartridges	Pyrotech Cartridges	7	2	2	X	Kg.		
89	1194	Distress Signal	Marine Signal	7	2	2	X	Kg.		
90	1195	Hand flares	Marine Signal	7	2	2	X	Kg.		
91	1196	Parachute Distress Signal	Marine Signal	7	2	2	X	Kg.		
92	1198	Manoverboard (MOB)	Marine Signal	7	2	2	X	Kg.		
93	1199	Line Throwing Apparatus (LTA) Catridges	Marine Signal	7	2	2	X	Kg.		
94	1200	Line Throwing Apparatus (LTA)	Marine Signal	7	2	2	X	Kg.		
95	1201	Smoke Signal	Marine Signal	7	2	2	X	Kg.		
96	1197	Fire Works	Fire Works	7	2	2	X	Kg.		
97	1237	Fireworks (Marine Signals)	Marine Signal	7	2	2	X	Kg.		
98	879	Micro Cord	Micro Cord	7	3		X	Kg.		