



INDO GULF INDUSTRIES LTD.

Environment - Friendly | Premium Quality | Highest Safety | Supreme Performance

Industrial Explosive & Accessories



**Contributing in Nation Building
throughout our wide range of Industrial
Explosives and Accessories**



ABOUT US

M/s Indo Gulf Industries Ltd. (IGIL) formerly known as Indo Gulf Explosive Ltd. was established in 1981 by Dr. S.K. Garg, a renowned scientist pioneered in setting up of facilities for manufacturing of industrial explosives. IGIL's first mechanized plant was set up at Babina (Jhansi) in 1986 in collaboration with Gulf Oil Corporation of USA for manufacturing of slurry explosives for mining industry through plant imported from USA. The maiden venture of the company was techno-economically successful and profitable, it also made explosives available for deephole blasting in large open cast mines in India.

The present promoter, Mr. Rajesh Jain, having immense experience of more than 3 decades in the field of Commercial & Defence Explosives acquired M/s Indo Gulf Industries Ltd. in the year 2017 from Balrampur Chini Mills Ltd. (BCML) having indigenous facilities for manufacturing of Slurry Explosives, Emulsion Explosives, Detonating Fuse, PETN, Cast Booster and Various Types of Detonators. The plant was digitally inaugurated by Hon'ble Prime Minister in the Ground Breaking ceremony held on 29th July 2018 at Lucknow. The manufacturing facility at Babina provides direct and indirect employment to about 500 and 2000 person respectively.

IGIL is an ISO 9001:2015 certified company, where all products are developed with new age modern techniques and packed with equipment imported from USA and China. The special focus of our company is on international industry quality and safety standards. The company employs expert and professional mining engineers, providing technical services of surface and underground mining, quarrying, tunnelling applications, stone Crushers, etc. to our clients across Government and Private sector.

The extensive marketing network comprising of dealers and agents across the globe makes IGIL one of the leading players in its segment. IGIL has high-end portfolio of products with wide range of industrial explosives and accessories.

Group Vision

Our promoter's vision is to improve the quality of its products by using advanced technology and processing innovations to meet the needs and expectations of its customers and manufacture items by following strict vigilance and exhaustive quality control parameters for better customer satisfaction.

The company is under the possession of an Industrial license from Government of India for manufacturing of Defence products viz. RDX, HMX, TNT, Pyro Devices & Propellants for defence use and company's endeavour is to setup these facilities with in a shorter span of time.

A wide-angle photograph of a mining or quarrying site. In the foreground, a group of about 15 workers wearing high-visibility safety vests and hard hats are standing in a line, looking towards the background. The ground is reddish-brown and uneven. In the background, there are large piles of earth and rock, and some industrial structures. The sky is hazy.

Our products are well appreciated and accepted in mining , quarrying and civil engineering industries across the globe.



INDO GULF LARGE DIA EXPLOSIVES

Brand Id : 1358, 1359, 1459, 1460.
Size Code : CDF, CDA.



PRODUCT SPECIFICATION

Product Name	INDO GULF SUPER PRIME	INDO GULF SUPER GEL	IGIL PRIME	NCN 400
Cartridge Diameter	83mm	83mm	83mm & 125mm	83mm & 125mm
Cartridge Length	490mm	490mm	490mm	490mm
Density	1.20 ± 0.05	1.20 ± 0.05	1.20 ± 0.05	1.20 ± 0.05
Cartridge weight	2.78kg	2.78kg	2.78kg& 6.25kg	2.78kg& 6.25kg
VOD	4000±200 ms	3500±500ms	4000±200 ms	3500±500 ms
Strength AWS	1100 cal/gm	1100 cal/gm	1100 cal/gm	1100 cal/gm
Sensitivity	Cap sensitive	Non-Cap sensitive	Cap sensitive	Non-Cap sensitive
Water Resistant	Excellent	Excellent	Excellent	Excellent
Cartridges/Box	9	9	9 & 4	9 & 4
Box Weight	25kg	25kg	25kg	25kg

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APPLICATIONS

Its high strength and high velocity of detonation ensures good fragmentation in hard strata and give excellent blast results in quarrying, road cutting, canal excavation and civil construction.

TRANSPORT

Class & Division: Class 2

UN Classification: Class- 1.1D, UN No. - 0241



INDO GULF SMALL DIA. EXPLOSIVES

INDO SUPER POWER 90

INDO SUPER POWER 90 packaged emulsion explosive is a robust, high strength, detonator sensitive explosive having a firm putty-like consistency. Products are sensitized through chemical gassing. This new generation explosives are characterized by high degree of intimacy between oxidizers and fuels in the composition which leads to high VOD and optimum strength.

Brand Id : 1436.
Size Code : CBA, CAI, CAA.



PRODUCT SPECIFICATION

Product Name	INDO SUPER POWER 90	INDO SUPER POWER 90	INDO SUPER POWER 90
Cartridge Diameter	25mm	32mm	40mm
Cartridge Length	200mm	200mm	300mm
Density	1.20 ± 0.05	1.20 ± 0.05	1.20 ± 0.05
Cartridge weight	125gm	200gm	390gm
VOD	4300±200 ms	4300±200ms	4300±200ms
Strength AWS	1100 cal/gm	1100 cal/gm	1100 cal/gm
Gap Sensitivity	<50mm	<50mm	<50mm
Water Resistant	Excellent	Excellent	Excellent
Cartridges/Box	200	125	64
Box Weight	25kg	25kg	25kg

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APPLICATIONS

Since each droplet of oxidizer is bounded by fuel, it is best suited for use in water columns, mines, stone quarries, tunneling, well sinking and civil works for better fragmentation & output.

Class & Division: Class 6 Div. 2
UN Classification: Class- 1.1D, UN No. - 0241



DETONATING FUSE – INDO CORD

IGIL manufactures wide variety of core loads (5gm/m to 80gm/m) which are strong, flexible and light weight, comprising an explosive core of PETN contained within a spiral of tape, plastic sheathing and natural or synthetic fibres and over extruded with PVC to provide abrasion resistance and waterproofness.

PRODUCT SPECIFICATION

Product Name	Indo Cord I	Indo Cord II	Indo Cord III	Indo Cord	Indo Cord IV	Indo Cord V	Indo Cord VI	Indo Cord VII	Avicord
Cord Colour	Yellow	White	Pink	Red	Blue	Orange	Light Green	Dark Green	Red
Core Load (g/m)	5gm/m	6gm/m	8gm/m	10gm/m	12gm/m	20gm/m	40gm/m	80gm/m	10gm/m
VOD	5700 ± 500	6300 ± 500	6500 ± 200	6800 ± 200	6800 ± 200	7000± 200	7000± 200	7000± 500	6800 ± 200
Breaking Load (kg)	40-45	65-70	70-75	75-80	80-85	85-90	85-90	95+	75-80
Outer Dia.	4.1 ± 0.1	4.2 ± 0.1	4.5 ± 0.1	4.8 ± 0.1	5.2 ± 0.1	6 ± 0.1	8.2 ± 0.1	11.2 ± 0.1	4.8 ± 0.1
Abrasion	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Water Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Initiation	No.6 & No.8	No.6 & No.8	No.6 & No.8	No.8	No.6 & No.8	No.6 & No.8	No.6 & No.8	No.6 & No.8	No.8
Packing (Spool*mtr)	4*350	4*350	4*375	4*375	4*250	4*150	4*100	4*75	4*375

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APPLICATIONS

INDO CORD detonating cords are designed for use as trunklines and/or downlines in various mining, quarrying and construction applications.

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Class & Division: Class 6 Div. 2

UN Classification: Class- 1.1D, UN No. - 0065

Brand Id : 1393, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1461

Size Code : FAC, FAE, FBB, FBG, FBS, FAI, FAP, FAW, FBY





INDO GULF DETONATORS

Detonators manufactured at IGIL are a brand for environmentally friendly, sustainable initiation systems products. It consists of a aluminum shells filled with desired quantity of base charge like PETN and primary charge like AA Mixtures. The base charge (PETN) is claimed to be sensitive to the shock waves which are generated by the primaries (AA mixture), which are in turn sensitive to the flame.

PRODUCT SPECIFICATION

Properties	INDO SUPER OD	INDO SUPER ED	INDO SUPER SDD	INDO SUPER LDD
Construction	Aluminium Shell	Aluminium Shell	Aluminium Shell	Aluminium Shell
Strength	No. 6/8	No. 6/8	No. 8	No. 8
Ignition/ initiation	Safety Fuse	Electric	Electric	Electric
Delay interval	Plain	Instantaneous	25,50,75,100,125,150, 200,250,325, 400, 500, 600	500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000
Shell Length (mm)	40-42	42-45	45 - 78	45 - 78
Delay Nos	-	0 ms	0-12	0-12
No Fire Current	-	180 ma for 5 mins	180 ma for 5 mins	180 ma for 5 mins
Series fire Current (Min.)	-	1.2 A for 4 ms	1.2 A for 4 ms	1.2 A for 4 ms
Fusehead Resistance	-	1.6 - 2.4 ohms	1.6 -2.4 ohms	1.6 -2.4 ohms
Lead Wire Resistance (GI/ Copper)	-	0.05 to 0.7 ohm/m	0.05 to 0.7 ohm/m	0.05 to 0.7 ohm/m
Water Resistance	-	Excellent	Excellent	Excellent
Specific length available on request	-	1.5/1.8/2.0/3.0 m	3 to 5 m	3 to 5 m
Wire Color	-	As Required	As Required	As Required
Packing	10000 nos	1000/1500 nos	1000/1500 nos	600/1000 nos

APPLICATIONS

We provide all kinds of detonators with long delay timings to short period detonators which are widely used in surface and underground mines, at quarries or at construction projects, etc.

TRANSPORT

PESO: Class 6, Division 3
UN Classification. Class 1.1B, UN No. 0029/0030
Storage Category: II TYPE 'C'





NON-ELECTRIC DETONATORS

INDO SUPER DET

NONEL consists of Soft tubes with delay detonator, the inner tube is filled with an explosives composition (HMX+Alluminium), end of the tube is hot sealed to ensure waterproof and the other end is crimped to the detonator. NONEL is used for surface blasting, quarrying and trenching and under-water blasting. The unique design of bunch connector facilities interfacing with a detonator.

PRODUCT SPECIFICATION

Properties	INDO SUPER DET TLD	INDO SUPER DET DTH
Strength	No.6	No.8
Delay timings in MS	17/25/42/67/100	250 & 450
Length of shock tubes	2mtrs To 50mtrs	2mtrs To 50mtrs
VOD	2000 ± 200ms	2000 ± 200ms
Tensile strength	20KG	20KG
Water Resistance	Excellent	Excellent
Identification mark	Delay timing and length stickers tagged with each shock tube	Delay timing and length stickers tagged with each shock tube. Different coloured connectors for different delay timings

* Specific Delay Period Also Available as per Request.

APPLICATIONS

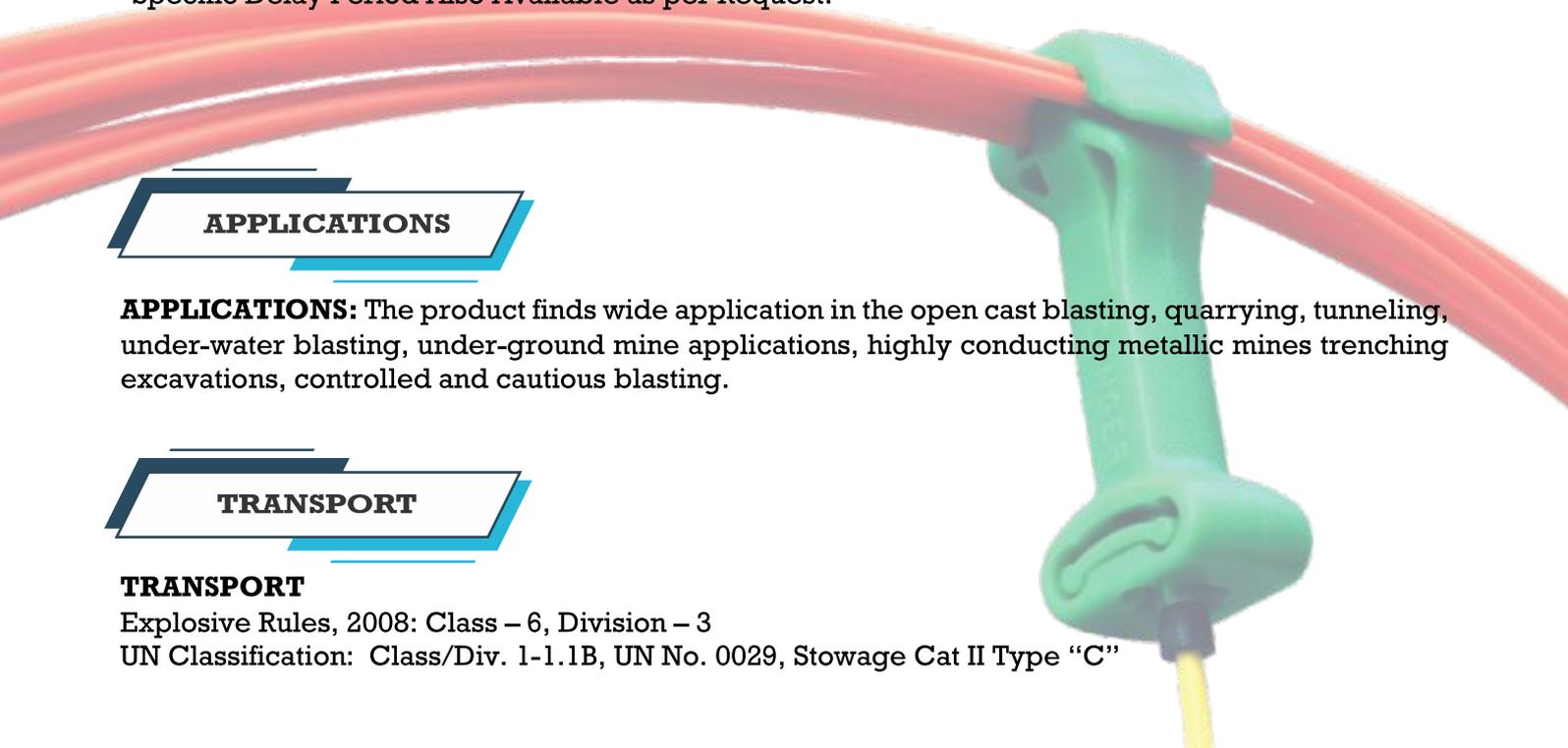
APPLICATIONS: The product finds wide application in the open cast blasting, quarrying, tunneling, under-water blasting, under-ground mine applications, highly conducting metallic mines trenching excavations, controlled and cautious blasting.

TRANSPORT

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Explosive Rules, 2008: Class – 6, Division – 3

UN Classification: Class/Div. 1-1.1B, UN No. 0029, Stowage Cat II Type “C”





Indo Boost

INDO BOOST Cast boosters, a mix of PETN and TNT, are reliably initiated by detonators or by detonating cords containing at least 5.0 g/m PETN. These boosters have been specifically designed to provide reliable initiation of pumped, augered and packaged explosives.



PRODUCT SPECIFICATION

Brand Id : 1417

Size Code : BBO, BAZ, BAT & BAJ

Product Name	INDO BOOST			
Size	100gm	150gm	200gm	400gm
Diameter	34mm	40mm	42.5mm	56.5mm
Density	1.55± 0.5	1.55± 0.5	1.55 ± 0.5	1.55± 0.5
Detonation Energy	240 kilo bars	240 kilo bars	240 kilo bars	240 kilo bars
Shock Energy	237 cal/gm	237 cal/gm	237 cal/gm	237 cal/gm
VOD	7000±500 ms	7000±500 ms	7000±500 ms	7000±500 ms
Sensitivity	Cap sensitive	Non-Cap sensitive	Non-Cap sensitive	Non-Cap sensitive
Oil Resistant	Excellent	Excellent	Excellent	Excellent
Water Resistant	Excellent	Excellent	Excellent	Excellent
No of shells/Box	250	167	125	63
Box Weight	25kg	25kg	25kg	25kg

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APPLICATIONS

INDO BOOST can be used for effectively initiating cap insensitive charges in a borehole at any predetermined point in a column of explosive charge.

TRANSPORT

Class & Division: Class 6 Div. 2

UN Classification: Class- 1.1D, UN No. - 0042



IGIL EXPLOSIVES

PETN

Pentaerythritol Tetranitrate (PETN) is an explosive compound obtained by nitration of Pentaerythritol with concentrated Nitric Acid. It is in the form of white crystalline powder insoluble in water but highly soluble in Acetone.

PRODUCT SPECIFICATION

Properties	
Appearance	Fine white crystals
Melting point	139°C - 142°C
Bulk Density	0.90 ± 0.05 gm/cc
Acidity as HNO ₃	0.01%
Alkalinity as Na ₂ CO ₃	0.01%
Insoluble material in acetone	0.1%
Nitrogen content	17.5% maximum
Particle Size	Different granulation for use in the production of detonating cords, detonators and pentolite
Crystal shape	Rhombic
Moisture (for Transportation)	25%
Moisture (for Use)	0.1%
Ash Content	0.05%
Net Weight	11.25 Kg & 22.5 Kg

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APPLICATIONS

It is rarely used alone, but primarily used in booster and bursting charges of small caliber ammunition, in upper charges of detonators in some land mines and shells, and as the explosive core of detonation cord. PETN is the least stable of the common military explosives, but can be stored without significant deterioration for longer than nitroglycerin or nitrocellulose.

TRANSPORT

Brand Id : 581
Size Code : PAB & PBD

Class & Division: Class 6 Div. 2
UN Classification: Class- 1.1D, UN No. - 0042





INDO GULF INDUSTRIES LTD.

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GSTIN - 09AAACI0120L2ZV



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