

103 Tulloch Drive
Ogdensburg, NY 13669
USA
1-315-713-0130



VIA Post
July 31th, 2018

To:
The City of Minot
Re: Minot Area Bomb Squad – Call FOR BID
515 2nd Ave Sw
Minot, ND 58701

RE: Minot Area Bomb Squad – Call FOR BID

To The City of Minot

Attached, you will find Med-Eng, LLC's bid submission for a full coverage bomb ensemble that meets the indicated specifications.

Respectfully,

Braden Poulin
Sales Support Co-ordinator
Braden.poulin@safariland.com
(613) 288-5438

City of Minot

Police Department

July 26, 2018

The Minot Area Bomb Squad is requesting **sealed bids** for a full coverage bomb ensemble. There is no bond requirement on this call for bids. The suit must be equivalent size to an EOD 10 Medium. The suit must be accompanied by 2 - BB-2590 batteries with charger. Each battery capable of 8 hours operating time.

The following are specification requirements:

Blast overpressure Protection - The suit and helmet must exceed the blast overpressure integrity levels set out in the NIJ 0117 standard for a charge of 0.567 kg C4 explosive at 0.6m standoff distance, using anthropomorphic Hybrid III mannequins. The blast integrity of the ensemble must be validated through frontal, side, and back trials.

Fragmentation Protection - The Suit and Helmet must exceed (or meet) the requirements of the NIJ 0117.01 standard (shown below), using the .22 Caliber Type I (17-grain), the 0.30 Caliber 44-grain and the 0.50 Caliber 207-grain Fragment Simulating Projectiles (FSP). The Visor ratings also must exceed the minimum NIJ requirements.

Helmet Impact Protection - When tested with a small and large head form as per the extensive test methodology outlined in NIJ 0117.01, no peak accelerations may exceeded the 290 g's threshold.

Helmet Retention System: The helmet retention system must exceed the requirements set out in the NIJ 0117 standard, ensuring no separation of components and minimizing movement between the preliminary and full test load positions, when a 22.7 kg load is applied for 30 seconds, followed by a 136 kg load applied for an additional 120 seconds.

Flammability:

Ensemble's main outer shell material must meet the requirements of the NIJ 0117 standard for Flame Resistance, which consists of a vertical flame test (ASTM D6413) measuring the following:

★ The Magic City ★

1. Char Length: maximum 89 mm / 3.5"
2. Afterflame: maximum 2 seconds.
3. Afterglow: maximum 25 seconds.
4. Flaming melt drip: none observed.

The Helmet must meet the requirements of the NIJ 0117 standard for Flame Resistance, measuring the following:

1. Afterflame: maximum 15 seconds.
2. Afterglow: maximum 25 seconds.
3. Flaming melt drip: none observed.

Helmet Visor Optics - The Bomb Helmet visor must exceed the requirements of the NIJ 0117.01 Standard for Optics (Distortion, Luminous Transmittance, Haze Resistance, Refractive Power, Prismatic Deviation).

Electro-Static Discharge (ESD) - The suit must provide a grounding strap selected to meet the NIJ 0117 standard Electro-Static Discharge requirement.

Helmet Capabilities & Options - The helmet must provide Integrated Voice Command System that allows the user to control the helmet and suit's many electronically activated features, such as integrated lights, ventilation rates, and speaker volumes and other features. The language used to operate the Voice Command System must be English.

The suit must provide audio and visual alarms and confirmations to inform the user of system status and functionality, such as the remaining battery power level. The suit must provide stereophonic speakers that allow the user to determine the directional source of an external sound.

The suit must include integrated lights to enhance visibility:

Two (2) White search lights for brightest illumination, with adjustable intensity (dimmer function), and capable of being individually directed by the operator

Two (2) Red lights for low light discipline

Two (2) Blue searchlights for operations where 'near ultra violet' is required to reduce risk near light sensitive explosive devices

The suit must include an integrated ventilation system, with controllable rates of airflow.

The suit must have compatibility with both Wireless (radio) and Hardwire communication systems.

EMI / EMC Compliance - The Suit and Helmet must have filters and shields across their electronic systems to suppress unwanted Radio Frequency (RF) signals from being emitted, and prevent unwanted incoming signals from reaching their electronics. This mitigates risks to the user when dealing with a Radio Controlled IED, or when operating Electronic Countermeasures ('jammers'). The system must be designed to meet MIL-STD-461F Standard.

Sealed bids are required by August 13, 2018.

Bid opening will occur on August 13, 2018.

Please submit bid proposals to:

SEALED BID

The City of Minot

City Clerk's Office

Re: Minot Area Bomb Squad – Call FOR BID

PO Box 5006

Minot ND 58701

Any questions or comments should be made to:

Lt. Dale Plessas

Minot Police Department

Bomb Squad Commander

C 701.578.8798



MED-ENG, LLC.
 103 Tulloch Drive
 Ogdensburg, NY 13669, USA
 Toll Free: 1-855-633-3649
 Tel: 1-613-482-8835
 Fax: 1-613-482-4991
 med-engsales@safariland.com
www.med-eng.com

QUOTATION

Quote ID
 QUO-06364-N4N4V0

Customer ID
 3010778

Customer:	Minot Police Department 515 2nd Ave SW MINOT ND US 58701-3739	Ship To:	Minot Police Department 515 2nd Ave SW Attn Sgt Dale Plessas MINOT ND US 58701-3739
Contact:	DALE PLESSAS		

Date	Payment Terms	Lead Time *	Expiry Date	Inco term	End user	Currency
7/30/18	Net30	22 Wks A.R.O.	10/31/18	DDP - ND	MINTO PD	US Dollar

Item No.	Part Number	Quantity	Unit	Unit Price	Discount	Total Price
1.	8000502	1.00000	EA	\$16,743.00	\$0.00	\$16,743.00

SUIT KIT EOD 10 OLIVE DRAB MEDIUM The EOD 10 Bomb Suit Ensemble has been engineered to provide superior protection against the threats of an explosive blast: overpressure, fragmentation, impact and heat. The most ergonomic full coverage ensemble in the industry today, the EOD 10 has achieved an unprecedented optimal balance between protection and flexibility through the meticulous distribution of protective materials over the body. A sliding groin plate easily retracts to allow for crouching, bending and climbing movements. The EOD 10 has been designed to provide maximum protection, while still permitting a high degree of flexibility and comfort to facilitate the conduct of operational duties. The EOD 10 Bomb Suit (standard configuration) includes: Jacket Rear with Back Protector and Multi-Connector Cable (MCC), Trousers, Grounding Strap, Carry Bag, Steel Hanger (for drying only), and User Manual & Thumb Drive. Medium (MD) - Fits: Height: 165 - 177 cm (5'5" - 5'10")

NSN:

2.	8000737	1.00000	EA	\$13,873.00	\$0.00	\$13,873.00
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EOD 10 Helmet Pkg, Olive Drab
 The EOD® 10 Helmet is lighter than the previous generation bomb suit helmet and provides higher levels of protection against the threats of overpressure and

*** Lead time subject to change due to product availability at time of order**

MED-ENG, LLC will not be bound by any additional terms and conditions, whether contained in a purchase order or other document, unless expressly agreed to by MED-ENG, LLC in writing or within our order acknowledgement. Delivery of product is subject to raw material availability. MED-ENG, LLC Terms and Conditions of Sale apply. These terms can be viewed at www.med-eng.com



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QUOTATION

fragmentation. The Helmet incorporates an innovative inflatable liner and pump that allows a custom fit to more head profiles and sizes than previous generations without the need for fit pads. It Fits the 5th percentile female to 95th percentile male heads.

NSN: 8470-20-010-4555

3.	8000807	1.00000	EA	\$285.00	\$0.00	\$285.00
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Full Foot Protection, Regular - Pair
 New Foot Protectors provide superior ergonomics and walking ability over previous generations of boot covers. The Full Foot Protector is "shoe-shaped" and provides excellent forward and rearward fragmentation coverage. Foot protection fits men's sizes U.S. 6 to 12 (EUR 37.5 to 45) and has been proven to fit feet as large as men's size U.S 14. (EUR 47.5), with minor compromises in lateral fragmentation protection for larger feet.

NSN: 8470-20-010-4566

4.	8001062	1.00000	EA	\$735.00		\$735.00
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AA Battery Housing W/24 AA Cells Kit
 Contains; 24 x AA Alkaline Batteries for use in the EOD 10 AA Battery Housing, the AA Battery Housing, and the AA Battery Housing Pouch w/MOLLE clip.

NSN:

5.	8001061	1.00000	EA	\$963.00		\$963.00
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BB-2590 Battery W/Charger Kit
 Contains a single BB-2590 Rechargeable Li-Ion Battery; 4.4" (112mm) x 2.4" (61mm) x 5.0" (127mm), weight 3.9 lb (1.8 kg). It has a state of charge indicator on the top and uses the floating U.S. Army connector. Total Voltage is 24.0V (2 sections 12.0V each). Maximum Voltage 31.0V (2 sections 15.5V each). Capacity in 24V Mode: 4.9 Ah, 12 12V Mode: 9.8 Ah. A single medium rate charger is included.

NSN:

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QUOTATION

Sub-Total:	\$32,599.00
Total Discount:	\$0.00
Total Freight Amount:	\$0.00
Total Misc Amount	\$0.00
Total Sales Tax:	\$0.00
Total Amount:	\$32,599.00

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