

Defense and Law Enforcement and Security and Safety Equipment and Supplies, UNSPC Code: 46

Public safety and control, UNSPC Code: 4616

Birds and Animals Scaring Device, UNSPC Code: 461699

Birds and Animal Scare Cannon Gun, UNSPC Code: 46169999

S. No.	Parameter	Field Type	Field Category	LOV					Unit	Remarks
OPERATION / APPLICATION / TYPE										
1	Operation	Enumerable	Golden	LPG Opearted (LPG Cylinder is not included in the scope of supply)						
2	Applicattion	Enumerable	Golden	LPG Operated Cannon Guns produce sound detonations to ward off Birds / wildlife animals from Airports, Hangars, Airfields and Runways, Crops & Agricultural fields, Fruit & Vegetable Gardens, Orchards & Vineyards, etc.						
3	Firing Mechanism	Enumerable	Golden	Piezo Element Lighter		Electric Spark Plug				
4	Firing Modes	Enumerable	Golden	Single - Shot		Multi - Shot (1, 2 or 3 Shots)				
5	Selectable / Adjustable Firing Frequency	Boolean	Golden	Yes	No					
6	Availability of programmable Automatic Timer	Boolean	Golden	Yes	No					
7	Availability of Random Balst interval settings	Boolean	Golden	Yes	No					
8	Availability of on-demand activation button	Boolean	Golden	Yes	No					
9	Mounting	Enumerable	Golden	Stand Mounted						
11	Provision for automatic rotating system , which allows to vary the direction of the detonations	Enumerable	Golden	Yes	No					
12	Angle of Rotation with each detonation (May indicate '0' in case of non-rotation type)	Measurable	Mandatory / Filter	0	30	45	60	90	degree	
13	Number of Cannon Guns in the system	Numeric	Golden	1	2					
PERFORMANCE / FEATURES										
1	Adjustable Blast Volume	Boolean	Golden	Yes	No					
2	Minimum Blast Sound level @ 1 meter	Measurable	Mandatory	Range: 80 - 100					dB	
3	Maximum Blast Sound level @ 1 meter	Measurable	Mandatory	Range: 100 to 130					dB	
4	Minimum Balst interval	Measurable	Mandatory	<= 60					Seconds	
5	Maximum Balst interval	Measurable	Mandatory	<= 120					minutes	
6	Fuel Efficiency (Detonations Per 1 kg of LPG consumed) (+/- 1%)	Numeric	Golden	Range: 1250 to 2500						Higher is better
7	Effective Coverage Area (in plain land)	Measurable	Golden	Range: 3500 to 50000					Sq. Meter	Higher is better

S. No.	Parameter	Field Type	Field Category	LOV				Unit	Remarks
STAND (MONOPOD / BIPOD / TRIPOD / FOUR LEGGED)									
1	Stand inclusive in the scope of supply	Enumerable	Golden	Yes					
2	Type of Stand	Enumerable	Golden	Monopod	Bipod	Tripod	Four legged		
3	Provision for adjusting height of the stand	Enumerable	Golden	Yes	No				
4	Maximum height of the stand / Tripod (meter)	Enumerable	Golden	0.3 to 0.4, 0.5 to 0.6, 0.9 to 1, 1.2 to 1.3, 1.4 to 1.5, 1.7 to 1.8, 2.0 to 2.1, 2.3 to 2.4, 2.7 to 2.8, 3.0 to 3.1					
5	Material of Stand	Enumerable	Golden	Steel	Aluminium				
6	Stand duly given Weather proof treatment	Enumerable	Golden	Yes					
BATTERY									
1	Battery Required for operation	Boolean	Golden	Yes	No				
2	Battery supplied with equipment (inclusive in the scope of supply)	Boolean	Golden	Yes	No	NA (Battery not required)			
3	Battery Voltage	Enumerable	Golden	12 V DC	NA				
4	Battery Type	Enumerable	Golden	SLA (Sealed Lead Acid) Battery		VRLA (Valve Regulated Lead Acid) Battery		NA	
5	Battery Capacity (Ah) (May indicate '0' in case battery is not required or not offered)	Numeric	Golden	Range: <= 10					
6	Suitable Battery Charger supplied (inclusive in the scope of supply)	Boolean	Golden	Yes	NA				
GENERIC									
1	Housing Material	Enumerable	Golden	UV Resistant and impact resistant Plastic, UV Resistant and impact resistant Polypropylene, Zinc Plated and enamel coated Steel, Anodized and enamel coated Aluminium, Stainless Steel					
2	Barrel Material	Enumerable	Golden	UV Resistant and impact resistant Plastic, UV Resistant and impact resistant Polypropylene, Zinc Plated and enamel coated Steel, Anodized and enamel coated Aluminium, Stainless Steel					
3	Overall Dimensions without Stand (L x W x H) (mm x mm x mm)	Text	Mandatory						AKBNV
4	Weight of the unit without battery and without stand if the stand is not an integral part of the system	Text	Mandatory						AKBNV
5	Weight of the Stand, if the stand is not an integral part of the system, if supplied	Text	Mandatory						AKBNV
6	Weight of the Battery, if supplied	Text	Mandatory						AKBNV
ENVIRONMENTAL / SAFETY CONDITIONS									
1	Minimum Operating Temperature	Measurable	Mandatory	Range: 0 to - 20					deg. C
2	Maximum Operating Temperature	Measurable	Mandatory	Range: <= 70					deg. C
3	Maximum Operating Humidity, Non-Condensing	Measurable	Mandatory	Range: <= 100					%

S. No.	Parameter	Field Type	Field Category	LOV					Unit	Remarks
4	Compliance to safety standards including emission standards as per the law of land	Enumerable	Mandatory	Yes						

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SALIENT FEATURES										
1	Salient Features (Select applicable parameters only)	Measurable	Golden	Portable System, Rust Proof and Weather Resistant Cannon Gun system, All weather operation - Functions even in dire weather conditions - day and night, Rust Proof and Weather Resistant Stand / Tripod, Automatic dawn Start-Up and dusk Shut-off, Adjustable electronic ignition and timer, Programmable On-OFF Timer, Built-in Solar Charge System with Battery Conditioning, Adjustable Blast intervals, Telescoping Barrel, Operates without recoils, Diaphragm made of durable Rubber which lasts atleast 100000 Detonations, Equiped with Primary & Secondary Gas Chambers					Year	Multi Select
ACCESSORIES										
1	Accessories inclusive in the scope of Supply (Select applicable parameters only)	Enumerable	Mandatory / Filter	Battery Cables for external 12 V battery, Suitable Battery Charger, Double layer durable Hose Pipe for Gas supply, Gas regulator,						Multi Select
WARRANTY										
1	Warranty	Measurable	Golden	1	2	3			Year	
CERTIFICATION										
1	Certification	Enumerable	Mandatory / Filter	CE	UL	NA				

AKBNV: Allow Key But Not Balue

Creator (s)

TA - JITENDER

Modifier

DCEO - SK Jain

APProver (s)

ACEO - HRS / ACEO - PS

AD - GRK Pillai