

Defense and Law Enforcement and Security and Safety Equipment and Supplies : 46												
Law enforcement : 4615												
Forensic Equipments and Supplies Accessories : 461517												
Polygraph System (Forensic Lie Detector) : 46151716												
S. No	Parameter	Field type	Field Category	LOV							Unit	Comment
<b>APPLICATION / DESCRIPTION</b>												
1	Application	Enumerable	Mandatory	To measure, display and records several physiological indicators such as blood pressure, pulse, respiration, and skin conductivity in real time and during customizable question template								
2	Description	Enumerable	Mandatory	Polygraph System consisting of Data Acquisition System, Various Probes/Sensors such as Cardio Pump and Gauge Assembly with adjustable Blood pressure cuffs; Pneumo Chest Assembly; Electro Dermal Response Sensor; Plethysmograph (PPG Clip) Sensor; Activity Sensors etc., complimented by Polygraph Software with a range of analytical and time saving features, along with necessary cables / connectors and required drivers for integrating the entire polygraph system with a PC / laptop (Supply of PC / Laptop Not included in the scope of supply)								
3	Hyper link to the datasheet(s) of the Polygraph System	Text	Mandatory									AKBNV
<b>DATA ACQUISITION SYSTEM</b>												
1	No. of Channels for simultaneous recording	Enumerable	Golden	5	6	7	8	9	10			
2	Transfer Rate per channel (Sample / Second)	Enumerable	Mandatory	350 or more								
3	Resolution (Analog to Digital Conversion)	Measurable	Golden	24	32					bit	Higher is better	
4	Connectivity (Select only applicable Parameters)	Enumerable	Mandatory / Filter	USB	RS 232						Multi Select	
5	Power Supply	Text	Mandatory	Through USB							AKBNV	
<b>PROBES / SENSORS</b>												
1	No. of Pneumo Chest Assembly sets supplied (inclusive in the scope of supply) (each set consists of Thoracic & Abdominal assembly)	Numeric	Golden	1	2							
2	Type of Electro Dermal Response sensor	Enumerable	Mandatory	Reusable Galvanic Skin Response Sensor Electrode								
3	No. of Electro Dermal Response Sensor sets supplied (inclusive in the scope of supply) (each set consists of 2 Sensor electrodes)	Numeric	Golden	1	2							
4	No. of Cardio Pump and Gauge Assembly (Sphygmomanometer) supplied (inclusive in the scope of supply)	Numeric	Golden	1	2							

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5	No. of Adjustable Blood pressure cuffs supplied (inclusive in the scope of supply)	Enumerable	Golden	1 Cuff (Adult Size-Medium)	1 Cuff (Adult Size-Medium) + 1 Cuff (Adult Size-Large)	1 Cuff (Adult Size) + 1 Cuff (Adult Size-Large) + 1 Cuff (Child Size)			
6	Type of Plethysmograph Sensor	Enumerable	Mandatory	PPG finger Clip					
7	No. of PPG Clips supplied (inclusive in the scope of supply)	Numeric	Golden	1	2				
8	Activity / Movement monitoring Sensors supplied (inclusive in the scope of supply)	Enumerable	Mandatory	Seat Pad, Arm Pad and Foot Pad Sensors					
<b>POLYGRAPH SOFTWARE</b>									
1	Name of the OEM of Polygraph Software	Text	Mandatory						AKBNV
2	OEM Model / Part No. of Polygraph Software	Text	Mandatory						AKBNV
3	Type of Licence of Polygraph Software	Enumerable	Golden	Perpetual License with free updates during warranty period					
4	Scoring Type	Ordinal	Golden	Manual and Computerized (2)		Manual Only (1)			
5	Software Features (Select only applicable Parameters)	Enumerable	Golden	Computerized measurements; Object Scoring System (OSS) Algorithms; Emperical Scoring System (ESS) Algorithms; Plethysmograph (PLE) vasomotor measurements; Chart Stacker for global scoring; Relative Response Magnitude graphs; Pulse Amplitude graphs; Pharmaceutical dug reference library; Respiration (Thoracic & Abdominal Respiration) measurements; Measurement of Blood pressure & Blood Volume Changes; Galvanic Reflex measurements at the Finger Tips; Customizable report templates:					Multi Select
6	Software supplied through	Enumerable	Mandatory	Media	URL link				Multi Select
7	Integration of Software with the Personal Computer / Laptop (Supply of PC / Laptop Not included in the scope of supply)		Mandatory	Inclusive in the scope of supply					
<b>SALIENT FEATURES</b>									
6	Salient Features (Select only applicable Parameters)	Enumerable	Golden	Customizable question Template; Real Time Recording with Event Marker; Adjustable Question Timing Facility					Multi Select
<b>Minimum requirements of the sytem hardware for satisfactory operation of Polygraph system (PC / Laptop is not included in the scope of supply)</b>									
1	Supported Operating System Software Version (Not included in the scope of supply)	Enumerable	Mandatory / Filter	Windows 7, 32-bit	Windows 10, 32-bit	Windows 7, 64-bit	Windows 10, 64-bit		
2	Minimum required System memory - RAM (Not included in the scope of supply)	Enumerable	Mandatory / Filter	3 GB	4 GB				

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3	Hard Drive capacity (minimum) (Not included in the scope of supply)	Enumerable	Mandatory / Filter	80 GB							
4	Processor requirement (Not included in the scope of supply)	Enumerable	Mandatory / Filter	Core i3 or higher							
5	Processor Speed (minimum) (Not included in the scope of supply)	Enumerable	Mandatory / Filter	1.5 GHz or better							
6	Graphics Card requirement (Not included in the scope of supply)	Enumerable	Mandatory / Filter	128 MB of VRAM or better, DirectX9 - 32-bit or better							
7	Minimum Number of USB ports required (Not included in the scope of supply)	Enumerable	Mandatory / Filter	2	3	4					
8	External web cameras / IP Cameras required for vedio recording (Not included in the scope of supply)	Boolean	Mandatory / Filter	Yes	No						
9	DVD-RW drive required for uploading Software (Not included in the scope of supply)	Boolean	Mandatory / Filter	Yes	No						
10	Digital Sound Card required for multimedia capabilities (Not included in the scope of supply)	Boolean	Mandatory / Filter	Yes	No						
11	External Microphone required for recording high quality audio (Not included in the scope of supply)	Boolean	Mandatory / Filter	Yes	No						
<b>ACCESSORIES</b>											
1	Compatible Fingerprint Scanner inclusive in the scope of supply	Boolean	Golden	Yes	No						
2	If Yes, Make of the Fingerprint Scanner (50 Ch) (Hint: If No, then indicate NA)	Text	Mandatory								AKBNV
3	If Yes, Model of the Fingerprint Scanner (20 Ch) (Hint: If No, then indicate NA )	Text	Mandatory								AKBNV
4	Features of the Fingerprint Scanner (Hint: If No, then indicate NA)	Text	Mandatory								AKBNV
5	Supply of suitable Adjustable arm subject's Chair for Polgraph test inclusive in the scope of supply	Boolean	Golden	Yes	No						
6	Type Chair for Polgraph test	Boolean	Golden	Adjustable arm subject's Chair with folding mechanism (portable)			Adjustable arm subject's Chair without folding mechanism			NA	

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7	Carrying case for Polygraph System	Boolean	Golden	Yes	No						
8	Material of carrying case supplied	Text	Golden	Leather; Leatherite; ABS; Polycarbonate; Poly Propylene; Nylon; NA							
9	Other Accessories inclusive in the scope of supply (Select only applicable Parameters)		Mandatory	Web Camera; Microphone; NA							Multi select
10	Mode of supply of Instruction Manual	Boolean	Mandatory / Filter	Hard copy	Soft Copy						
<b>GENERIC</b>											
1	Supply of necessary cables / connectors and required drivers for integrating the entire polygraph system with a PC / laptop	Boolean	Mandatory	Inclusive in the scope of supply							
2	Installation, Integration, Demonstration and Training	Boolean	Mandatory	Inclusive in the scope of supply							
3	Dimensions of Data Acquisition System (Width * Depth* Height) (mm x mm x mm)	Measurable	Mandatory								AKBNV
<b>OPERATING CONDITIONS</b>											
1	Minimum Operating Temperature	Measurable	Mandatory	Range: <= 20							deg. C
2	Maximum Operating Temperature	Measurable	Mandatory	Range: <= 50							deg. C
3	Maximum Operating humidity (Non-Condensing)	Measurable	Mandatory	Range: <= 90							%
<b>WARRANTY / SUPPORT / SERVICES</b>											
1	Warranty on Data Acquisition System	Measurable	Golden	2	3	5				Year	
2	Warranty on Probes / Sensors	Measurable	Golden	2	3	5				Year	
3	No. of days Training Provided	Enumerable	Golden	3	5	7				Days	

**AKBNV: Allow Key But Not Value**

**PREPARED**

**CHECKED**

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