

A/26050/16 X Amn/OS-7

// May 2023

To

**ADDENDUM NO - 01: BROAD DETAILS OF AoN HOSTED FOR "UPGRADATION OF SECURITY AND FIRE FIGHTING INFRASTRUCTURE IN 16 x AMMUNITION DEPOTS AT 20 LOCATIONS" ON MoD AND INDIAN ARMY WEBSITE**

1. Refer Broad details of AoN for "Upgradation of Security and Fire Fighting Infrastructure in 16 x Ammunition Depots at 20 locations" uploaded in Indian Army and MoD websites on 26 Apr 2023 and 27 Apr 2023 respectively.

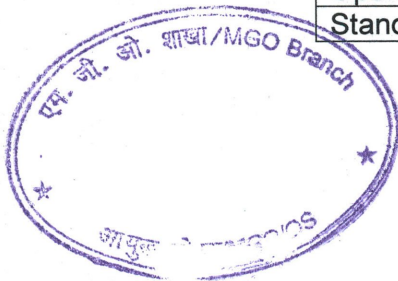
2. The following amendment be carried out in Appendix 'D' in the above mentioned broad details of AoN:-

(a) **Page Number 7, sub Para (d) of Appendix D to Broad Details of AoN.**

**For**

(d) **60mm Thermal Camera**

Item	Minimum Requirement Description
Make	
Model	
Sensor Format	Uncooled
Detector Type	VOx Microbolometer
Lens & Angle of view	Lens ( $\geq 60$ & $\leq 75$ MM) providing $\leq 10$ Degree
Thermal Resolution	640 x 480, 25 Hz
Zoom	Up to 4X Digital zoom
Spectral Band	8-13 $\mu$
Frame rate Hz/FPS	Full Frame – 25/30 Hz
Thermal Sensitivity	<50mK f/1.0
Modes	White-Hot & Black-Hot user selectable
Analytics	Built-in or server based analytics & IQ based processing for Human and Vehicle or other classification
Analytics Range	Shall reliably trigger intrusion detections analytics alarm for human at 550m or higher
Output	Analogue BNC and IP RJ45 (Both required)
Streaming	Dual Stream, ONVIF Profile S
Rating	IP-66 with sunshield and MIL-STD-810F
Power	PoE and 24VAC/DC
Operating temp.	Temp: -20° C to 55° C , Humidity: 90%
Standard	BIS Standard 13252 (Part 1):2010





**Read****(a) 13mm Thermal Camera.**

Item	Minimum Requirement Description
Make	
Model	
Sensor Format	Uncooled
Detector Type	VOx Microbolometer
Lens & Angle of view	Lens ( $\geq 13$ & $\leq 18$ MM) providing $\leq 36$ Degree
Thermal Resolution	640 x 480, 25 Hz
Spectral Band	8-13 $\mu$
Frame rate Hz/FPS	Full Frame – 25/30 Hz
Zoom	Up to 4X Digital zoom
Thermal Sensitivity	<50mK f/1.0
Modes	White-Hot & Black-Hot user selectable
Analytics	Built-in or server based analytics & IQ based processing for Human and Vehicle or other classification
Analytics Range	Shall reliably trigger intrusion detections analytics alarm for human at 150m or higher
Output	Analogue BNC and IP RJ45
Streaming	Dual Stream, ONVIF Profile S
Rating	IP-66 and MIL-STD-810F
Power	PoE and 24VAC/DC
Operating temp.	Temp: -20° C to 55° C , Humidity: 90%
Standard	BIS Standard 13252 (Part 1)

**(b) 19mm Thermal Camera.**

Item	Minimum Requirement Description
Make	
Model	
Sensor Format	Uncooled
Detector Type	Vox Microbolometer
Lens & Angle of view	Lens ( $\geq 19$ & $\leq 25$ MM) providing $\leq 27$ Degree
Thermal Resolution	640 x 480, 25 Hz
Zoom	Up to 4X Digital zoom
Spectral Band	8-13 $\mu$
Frame rate Hz/FPS	Full Frame – 25/30 Hz
Thermal Sensitivity	<50mK f/1.0
Modes	White-Hot & Black-Hot user selectable
Analytics	Built-in or server based analytics & IQ based processing for Human and Vehicle or other classification
Analytics Range	Shall reliably trigger intrusion detections analytics alarm for human at 250m or higher
Output	Analogue BNC and IP RJ45
Streaming	Dual Stream, ONVIF Profile S
Rating	IP-66 and MIL-STD-810F
Power	PoE and 24VAC/DC
Operating temp.	Temp: -20° C to 55° C , Humidity: 90%
Standard	BIS Standard 13252 (Part 1):2010

**(c) 35mm Thermal Camera.**

Item	Minimum Requirement Description
Make	
Model	
Sensor Format	Uncooled
Detector Type	VOx Microbolometer





Item	Minimum Requirement Description
Lens & Angle of view	Lens (>=35&<=50 MM) providing <= 18 Degree
Thermal Resolution	640 x 480, 25 Hz
Zoom	Up to 4X Digital zoom
Spectral Band	8-13μ
Frame rate Hz/FPS	Full Frame – 25/30 Hz
Thermal Sensitivity	<50mK f/1.0
Modes	White-Hot & Black-Hot user selectable
Analytics	Built-in or server based analytics & IQ based processing for Human and Vehicle or other classification
Analytics Range	Shall reliably trigger intrusion detections analytics alarm for humanat 300m or higher
Output	Analogue BNC and IP RJ45
Streaming	Dual Stream, ONVIF Profile S
Rating	IP-66 and MIL-STD-810F
Power	PoE and 24VAC/DC
Operating temp.	Temp: -20° C to 55°C , Humidity: 90%
Standard	BIS Standard 13252 (Part 1):20

(d) **60mm Thermal Camera**

Item	Minimum Requirement Description
Make	
Model	
Sensor Format	Uncooled
Detector Type	VOx Microbolometer
Lens & Angle of view	Lens (>=60&<=75MM)providing <= 10 Degree
Thermal Resolution	640 x 480, 25 Hz
Zoom	Up to 4X Digital zoom
Spectral Band	8-13μ
Frame rate Hz/FPS	Full Frame – 25/30 Hz
Thermal Sensitivity	<50mK f/1.0
Modes	White-Hot & Black-Hot user selectable
Analytics	Built-in or server based analytics & IQ based processing for Humanand Vehicle or other classification
Analytics Range	Shall reliably trigger intrusion detections analytics alarm for humanat 550m or higher
Output	Analogue BNC and IP RJ45(Both required)
Streaming	Dual Stream, ONVIF Profile S
Rating	IP-66 with sunshield and MIL-STD-810F
Power	PoE and 24VAC/DC
Operating temp.	Temp: -20° C to 55°C , Humidity: 90%
Standard	BIS Standard 13252 (Part 1):2010

3. Rest no change.



*(Handwritten signature)*

(HS Gill)  
Colonel  
Colonel OS (O&T)  
for DG OS

