

**Draft for hosting of AoN Details For AoNs Accorded
by SPB/DPB/DAC**

AoN Date : **09 Nov 2022**

ITEM DESCRIPTION (weapon/equipment/platform) : **Body Worn Camera System
(1920 x 1080 Pixel).**

QUANTITY : **Quantity 7,000 Body Worn Camera System (1920 x 1080 Pixel).**

CATEGORIZATION : **'Buy (Indian)' through FTP.**

BROAD PARAMETERS QRs OF THE ITEM : **As per OR attached.**

SPECIAL INSTRUCTIONS ON DEMO, IF ANY : **No Cost No Commitment (NCNC)
Demo will be conducted at
HQ Northern Command.**

ANY OTHER SPECIFIC INSTRUCTIONS : **NA**

DRAFT OPERATIONAL REQUIREMENTS (OR)
BODY WORN CAMERA SYSTEM 1920 X 1080 PIXEL

<u>Ser No</u>	<u>OR PARAMETERS</u>	
<u>PART -I GENERAL INFORMATION</u>		
<u>Gen.</u> The Body Worn Camera (BWC) is a small, audio/ video recording device which is worn and attached to the uniform, usually on the chest. It is used to capture real time video & image when the soldier wearing it is present at an incident or operation site.		
<u>PART – II PHYSICAL CHARACTERISTICS</u>		
1.	Compact size and light weight (Max 70 mm x 90 mm x 30 mm & weight - 200 gms)	
2.	<u>Battery Life.</u> Battery upto 12 hrs video Recording.	
3.	Easy to wear.	
<u>PART – III TECHNICAL SPECIFICATION</u>		
1.	Sensor	Ultra Low Light 1” CMOS Sensor or better
2.	OS	Linux or better
3.	Booting time	< 6 Seconds (From “Power ON” to “Recording”)
4.	Lens (HOV)	120° or better
5.	Video output	2 inch Full HD LCD Screen
6.	Recording Resolution	1920x1080
7.	Frame rate	1080p@60, 1080p@30, 720p@60, 720p@30 (All four options to be available).
8.	Record mode	Video and Audio synchronization, 2 Independent Video Streams for Local Record and Remote View
9.	Compression	H.264/ H.265/MP4/TVI
10.	Audio input	1 Input (Built In Mic)
11.	Image Resolution	1920x1080 or better
12.	Snapshot	Support snapping during video recording
13.	Storage	Built in 64 GB SSD Card and expandable up to 256 GB using external SSD card slot.
14.	IR	Up to 10 Meters at 0 lux with Visible shape image
15.	Laser	Lock image center
16.	USB	1xUSB3.0, for charging, communication with PC, connect external HD Camera
17.	Protocol	TCP/IP, RTSP, RTMP
<u>PART – III OTHER SPECIFICATIONS</u>		
18.	Other Features	Bluetooth, G Sensor, Electronic/Optical Image Stabilization
19.	OSD Burn In	Burn in date, time, device ID, officer ID, location,
20.	Playback	Support local playback of video and search video files by time alarm etc.
21.	Pre/post-recording of Video	Maximum 30 seconds pre-recording and post-recording
22.	Record encryption	Support AEC 256 Bit encryption technology or better. Encrypted video should be only played in special player. Data on Camera should not be editable.
23.	Log	Record key operation, setting change, events, alarms and other information.

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24.	Player	Play back video files on the PC and analyze data information in the file
25.	Time	Synchronize date and time with GPS, Internet, PC
26.	Charging	Charging time: 90% or more battery charged within 3-4 Hours (USB cable should also used for data transmission).
27.	Operating Conditions	<u>Temperature</u> : Minus 20°C to plus 45°C Upto 80% Humidity.
28.	Battery capacity	3500 mAh or better for continuous recording up to 12h
29.	Weatherproof	IP67 or latest standards
30.	Certification	CE, FCC, JSS 5555, MIL-STD 810 for camera and BIS specific for Battery.
31.	Password Protection	To Set an Administrator Password
32.	Drop Test	2 Mtrs
33.	Mounting System	Clip/ Belt/ Harness
34.	Charger/Charging System	Compatible
35.	Colour of Camera	Black/Olive Green
36.	Service Life	6 Years
37.	On board GPS 'Provision to be compatible with NaVIC System on requirement basis/ as in upgradation'.	
38.	IMEI number of the camera should be registered in the name of the OEM.	
39.	WPC license should be in the name of OEM.	
40.	The camera OEM should be a genuine manufacturer and should be an official valid H.265 HEVC Certificate and should be listed on HEVC website at the time of submitting bid. They should be paying the license fee for using the genuine HVEC Compression, legally. The same will be verified at the TEC Stage.	
41.	The MAC Address of the Body Worn Camera should be registered in the name of OEM supplying the cameras.	