

संख्या. पी-63013/26/2020/मोड-1/सीसुबल 2048-57 (46)
भारत सरकार, गृह मंत्रालय
महानिदेशालय सीमा सुरक्षा बल
(रसद निदेशालय: आधुनिकीकरण सैल)
(Email-comdtord@bsf.nic.in)
(Fax: 011-24367683)

ब्लाक संख्या . 10,
सीजीओ काम्पलैक्स,

लोधी रोड, नई दिल्ली-03

दिनांक 4 सितम्बर 2020

सेवा में,

महानिदेशक:- आसाम राईफलस (through LOAR), केन्द्रीय ओद्योगिक सुरक्षा बल,
केन्द्रीय रिजर्व पुलिस बल, भारतीय तिब्बत बोर्डर पुलिस, सशस्त्र सीमा बल,
राष्ट्रीय सुरक्षा गार्ड एवं पुलिस अनुसन्धान एवं विकास ब्योरो

विषय: अनुमोदित गुणात्मक आवश्यकता/परीक्षण निर्देशों का प्रेषण

तकनीकी विशेषज्ञों के उप समूह द्वारा सूत्रीकरण किए एवं महानिदेशक सीमा सुरक्षा बल द्वारा पुनः अनुमोदित "Body Worn Camera" के गुणात्मक आवश्यकता/परीक्षण निर्देशों को आपकी अग्रिम कार्यवाही हेतु प्रेषित किया जाता है।

संलग्न : उपरोक्तनुसार

(सतीश चन्द्र बुडाकोटी)
उप महानिरीक्षक (रसद)

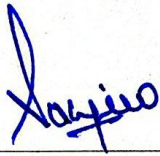
प्रतिलिपि :-

1. तकनीकी निदेशक
The Technical Director
राष्ट्रीय सूचना-विज्ञान केन्द्र,
नोर्थ ब्लाक,
गृह मंत्रालय, नई दिल्ली
NIC, North Block, MHA
New Delhi
(द्वारा ई-मेल)
(ई-मेल पता :
mpsugandhi@nic.in)
2. SO (IT), North Block, MHA : आपसे अनुरोध है कि Body Worn Camera के
(Through E-mail) गुणात्मक आवश्यकता /परीक्षण निर्देशों को गृह
(E-mail address: **soit@nic.in**) मंत्रालय की वैबसाईट (पुलिस आधुनिकीकरण
विभाग-गुणात्मक आवश्यकता) पर अपलोड करने का
श्रम करें।
3. तकनीकी विंग, सीमा सुरक्षा बल : आपसे अनुरोध है कि Body Worn Camera के
गुणात्मक आवश्यकता /परीक्षण निर्देशों को सीमा
सुरक्षा बल की वैबसाईट पर अपलोड करने का श्रम
करें।

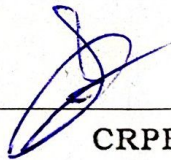
**QUALITATIVE REQUIREMENTS OF "BODY WORN CAMERA SYSTEMS
(FOR RAF)"**

SL. NO.	QRs/SPECIFICATIONS	
	Parameter	Specification
1	Device type	Camera with audio-video recorder cum player with live streaming facility.
2	Device dimensions (max)	Length - 120mm, Width - 90mm, Height - 40mm
3	Working temperature	-10°C to +60°C
4	Storage temperature	-10°C to +60°C
5	Device ID	Unique ID for identification.
6	Water Proof	IP65/66/67 (To be defined by the user)
7	Computer Interface	USB Cable , Type 2.0/3.0
8	Body worn facility	Clip/Harness Type (To be defined by the user)
9 (A)		
a	Sensor Capacity (minimum)	05 MP
b	Sensor Type	CMOS
c	Resolution (minimum)	720 P @30 fps
d	FOV (minimum)	120 °(diagonally)
e	Night Vision	IR
9 (B)		
a	Recording type	One button recording start/stop.
b	Snapshot	Capture photos during recording.
c	Audio	Good inbuilt microphone.
d	Recording "on" indicator	LED indicator
e	Recording duration (minimum)	8 Hrs continuous recording
f	Storage capacity (minimum)	16 GB inbuilt.
g	Expandable storage	Optional (To be defined by user)
h	GPS	Built-in (Optional) (To be defined by user)
9 (C)		
a	LCD Screen	2 inch (max), TFT, Color Display
b	Screen Protection	Scratch Proof Coating/Screen Guard
c	Audio/Video Playback	YES
d	Fast Forward	2X,4X,8X
e	Rewind	2X,4X
f	Editing/deletion protection	Should be password protected.
g	User language interface	English
9(D)		
a	Connectivity	4G/3G + WI-FI
b	Connectivity type	IP interface for IP Streaming & Network Connections
c	Device should be able to transmit the data to password protected cloud based platform which can be tapped through internet for live view as well as review & analysis on later stage.	

9 (E)	Interface Software / Platform	<p>(1) Recorder & transmitter software as well as review software or app should be compatible with windows platform.</p> <p>(2) Compatibility with android based platform will be additional advantage. (optional)</p> <p>(3) Option for live recording at review end with dedicated DVR will be additional advantage. (optional)</p>
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CRPF



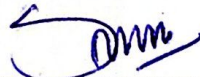
CRPF



CRPF



BSF



ITBP



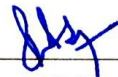
CISF



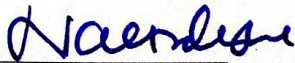
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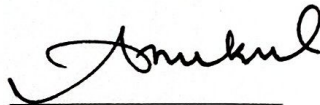
BPR&D



NSG



DIG (Ord)

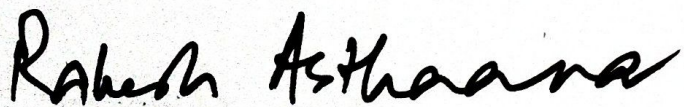


IG (Prov)



SDG (Prov & Works)

Approved / Not Approved



Director General, BSF

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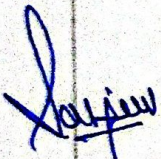
TRIAL DIRECTIVES OF "BODY WORN CAMERA SYSTEMS (FOR RAF)"

SL. NO.	QRs/SPECIFICATIONS		TRIALS DIRECTIVES
	Parameter	Specification	
1	Device type	Camera with audio-video recorder cum player with live streaming facility.	BOO will check physically.
2	Device dimensions (max)	Length - 120mm, Width - 90mm, Height - 40mm	
3	Working temperature	-10°C to +60°C	Firm to produce Lab Test Report from a national/ international accredited lab.
4	Storage temperature	-10°C to +60°C	
5	Device ID	Unique ID for identification.	BOO will check physically.
6	Water Proof	IP65/66/67 (To be defined by the user)	Firm to produce Lab Test Report from a national/ international accredited lab.
7	Computer Interface	USB Cable, Type 2.0/3.0	BOO will check physically.
8	Body worn facility	Clip/Harness Type (To be defined by the user)	
9 (A)	CAMERA:		
a	Sensor Capacity (minimum)	05 MP	OEM will certify
b	Sensor Type	CMOS	
c	Resolution (minimum)	720 P @30 fps	
d	FOV (minimum)	120° (diagonally)	
e	Night Vision	IR (5 Mtr)	
9 (B)	RECORDER:		
a	Recording type	One button recording start/stop.	BOO will check physically.
b	Snapshot	Capture photos during recording.	
c	Audio	Good inbuilt microphone.	
d	Recording "on" indicator	LED indicator	
e	Recording duration (minimum)	8 Hrs continuous recording	OEM will certify.
f	Storage capacity (minimum)	16 GB inbuilt.	BOO will check physically.
g	Expandable storage	Optional (To be defined by user)	
h	GPS	Built-in (Optional) (To be defined by user)	
9 (C)	INBUILT AUDIO/VIDEO PLAYER CUM IMAGE REVIEW:		
a	LCD Screen	2 inch (max), TFT, Color Display	BOO will check physically.
b	Screen Protection	Scratch Proof Coating/Screen Guard	
c	Audio/Video Playback	YES	
d	Fast Forward	2X, 4X, 8X	
e	Rewind	2X, 4X	
f	Editing/deletion protection	Should be password protected.	
g	User language interface	English	

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9(D) a	Connectivity	4G/3G + WI-FI	BOO will check physically.
b	Connectivity type	IP interface for IP Streaming & Network Connections	OEM will certify.
c	Device should be able to transmit the data to password protected cloud based platform which can be tapped through internet for live view as well as review & analysis on later stage.		OEM will certify and BOO will check physically.
9 (E)	Interface Software / Platform	<p>(7) Recorder & transmitter software as well as review software or app should be compatible with windows platform.</p> <p>(8) Compatibility with android based platform will be additional advantage. (optional)</p> <p>(9) Option for live recording at review end with dedicated DVR will be additional advantage. (optional)</p>	OEM will certify and BOO will check physically.



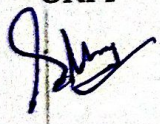
CRPF



CRPF



CRPF




BSF



ITBP



CISF



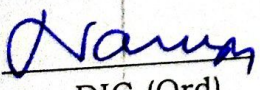
SSB



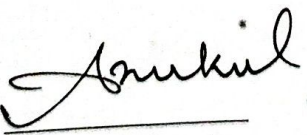
BPR&D




NSG



DIG (Ord)



IG (Prov)



SDG (Prov & Works)

Approved / Not Approved

Rakesh Asthana

Director General, BSF