

**GOVERNMENT OF INDIA
(Ministry of Home Affairs)
COMMUNICATION & IT DIRECTORATE
CENTRAL RESERVE POLICE FORCE
EAST BLOCK-7, SEC-1, R.K. PURAM, NEW DELHI-110066**

(Email:- comncell@crpf.gov.in Tele/Fax:011-26109038)

No. B.V-7/2023-24-C (QRs)

Dated, the 26 December'2023

To

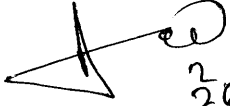
1. The DsG: AR, BSF, CISF, ITBP, NSG, SSB and BPR&D
2. Director, DCPW

Subject: Regarding Revision of QRs/TDs of "3D Laser Scanning and Imaging System".

I am directed to refer on the subject mentioned above and to say that the revised QRs/TDs of "**3D Laser Scanning and Imaging System**" which has been recommended by CAPFs sub-group and experts from DCPW & BRP&D has been approved by the DG CRPF.

2. QRs/TDs of "**3D Laser Scanning and Imaging System**" has forwarded earlier vide letter No.B.V-7/2023-24-C(3DLS) dated 13/05/2019 is rescinded.

Encl:-As above


26/12/23
{Amit Taneja}

**DIG (Equipment)
Communication & IT Branch
Directorate General C R P F**

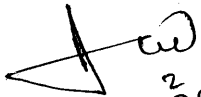
No. B.V-7/2023-24-C (QRs)

Dated, the 26 December'2023

Copy to:-

1. Mrs. Sugandhi, Technical Director, and North block, MHA with request to upload the revised QRs/TDs of "**3D Laser Scanning and Imaging System**" on MHA website (e-mail ID: mpsugandhi@nic.in).

Encl:-As above


26/12/23
{Amit Taneja}

**DIG (Equipment)
Communication & IT Branch
Directorate General C R P F**

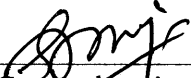
S.No	Specifications	Trial directives
35.	Must support visualization on mobile/tablet in both mode - online and offline	BOO will check practically.
36.	Must have internal Height Sensor, GPS, GLONASS with inbuilt Compass to provide scan orientation and must support integration with Industrial GIS Platforms	BOO will check practically & Firm will also submit OEM certificate.
37.	Must support integration with 3D modelling software like sketch up Pro, Auto CAD, Autodesk, Maya, 3DS Max, Blender, Modo, Archi CAD Solidworks, V-Ray, etc	BOO will check practically & Firm will also submit OEM certificate.
38.	Must support visualization with or without server	BOO will check practically & Firm will also submit OEM certificate.
39.	Operating temperature for equipment -20°C to + 55 °C	Firm will submit certificate of any Govt Lab or NABL or ILAC accredited Laboratory.
40.	Must be able to create a web share of the captured/processed data to be reviewed at any remote location on any normal configuration of Laptop online and offline without any software installation	BOO will check practically.
41.	Laser Class-1 must comply IEC 60825-1:2014	Firm will submit certificate of any Govt Lab or NABL or ILAC accredited Laboratory
42.	Laser used to scan should be human safe	
43.	Software application must support Integrated Virtual reality mode for better visualization	BOO will check practically.
44.	Point cloud processing software should support all formats of standard point cloud data outputs like e57, PTS and XYZ	BOO will check practically.
45.	Output created by Software should be supported by 3D Formatting tools like sketch up Pro, Auto CAD, Autodesk, Maya, 3DS Max, Blender, Modo, Archi CAD Solidworks, V-Ray, Mental Ray. Cinema 4D & Houdini etc	BOO will check practically.
46.	Application should support registration of multiple captures/ scans/images automatically	BOO will check practically.
47.	Service / Support of the equipment should be provided on PAN India basis.	Firm will submit OEM certificate.
48.	Training: The bidder shall arrange to provide Onsite training for Anti - Terrorism, VVIP Security Planning, Indoor and outdoor Crime scene scanning and shall essentially conduct a workshop for the same. Firm will provide operating and technical manual	Firm will submit under taking certificate.

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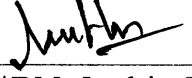
S.No	Specifications	Trial directives
49.	OEM Should essentially have a local office in India.	Firm will submit OEM certificate.
50.	Warranty-03 Years or More	Firm will submit OEM certificate.
51.	After sale support- Minimum 05 Years after warranty	Firm will submit OEM certificate.
52.	System must provide device/ computer for processing and storage of recce data. This system may be a computing device/laptop. This computing device for data processing must have following specifications:- (a) SSD – 1 TB or better (b) Processor – i9 with 10 core or better (c) RAM - 64 GB or better (d) OS - Window 11 or latest version (e) Graphic card:- In built Nvidia's RTX 4090 or better (f) MS office:- Office latest version (g) NAS :- 200 TB with redundancy feature. (h) Computing device should be compatible with 3D Laser scanning equipment	BOO will check practically.



(WO. Sandeep Kumar)
Assam Rifles



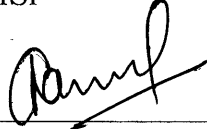
(SI. Satyadev Arya)
CISF



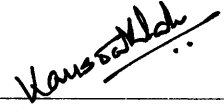
(Insp/RM. Jasbir Singh)
BSF



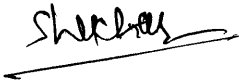
(Insp/Tele. Ram Gopal Meena)
ITBP



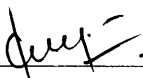
(Munesh Kumar, AC)
SSB



(K. Saha, Asstt. Director)
DCPW



(Chandra Shekhar Sharma)
DC(Comn), CRPF



(Col. Sumit Dhagat)
NSG



(Amit Taneja)
DIG(Eqpt), CRPF



(P.C. Jha)
DIG(Comn), CRPF

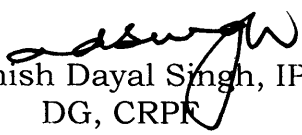


(Syed Mohammad Hasnain)
IG (Comn & IT), CRPF



(Vitul Kumar, IPS)
ADG (OPS), CRPF

Approved/Not Approved



(Sh. Anish Dayal Singh, IPS)
DG, CRPF