

महानिदेशालय, भा.ति.सी.पु. बल / Directorate General, ITBP Force
(संभरण निदेशालय-सीटीएस डैस्क / Provisioning Dte-CTS Desk)
गृह मंत्रालय-भारत सरकार / MHA-Government of India
खण्ड-2, के. स. का. परिसर / Block-2, CGO Complex
लोधी रोड, नई दिल्ली / Lodhi Road, New Delhi-03
(Fax 011-24364267, Email-digprov@itbp.gov.in)

No. IV-17012/30/2021/Prov(CTS)/Mod)- 287

Dated, 14/09/22

To,

1. IG(Prov),
CRPF, BSF, CISF, SSB, BPR&D NSG, IB & NIA
2. Brig. (Admn), Assam Rifle.

Sub: Qualitative Requirements (QRs)/Specification and Trial Directives (TDs) of Helmet Mounted LED Head Light approved for ITBP under Modernization Plan-IV.

The Qualitative Requirements (QRs)/Specification and Trial Directives(TDs) in respect of Helmet Mounted LED Head Light as per Annexure "A", recommended by sub group of experts of CAPFs and approved by the Competent Authority, ITBP with reference to MHA order No. 11012/02/2009-Fin-I/Prov-I-17 dated 02.01.2018, is enclosed herewith for information and necessary action at your end please.

Encl. As above

उप महानिरीक्षक(संभरण) / DIG (Prov)
महानिदेशालय, भातिसीपु बल / Dte Gen, ITBPF

Copy to:-

1. The Director, NIC, MHA/GOI, North Block New Delhi-for information with the request to upload the QRs and TDs of Helmet Mounted LED Head Light on MHA website.
2. Advisor, Police Modernization Division, MHA, Jaisalmer House, 26 Man Singh road, New Delhi.
3. The Dy Inspector General (Proc), Dte. Genl, ITB Police.
4. The Dy Inspector General, SHQ(L&C), ITB Police.
5. The Commandant SS Bn ITB Police.
6. The DC(IT) Cell, ITB Police- Qualitative Requirements (QRs)/ Specification and Trial Directives(TDs) of Helmet Mounted LED Head Light may please be uploaded on ITBP Website.

7. S.D(I.T) North Block on his e-mail addrs- soite@nic.in.

उप महानिरीक्षक(संभरण) / DIG (Prov)
महानिदेशालय, भातिसीपु बल / Dte Gen, ITBPF

In lieu of IAFD-931

1. Proceeding of : Board of Specialist Sub-Group
2. Place : HQ Eastern Command, ITBP, Guwahati (Assam)
3. Date : 04-07-2022
4. By the Order of : Dte. Gen. ITBP Order No. 1585 dated-13-05-2022
5. Purpose : To Prepare QRs & TDs/Specification in r/o Helmet Mounted LED head light.


6. Composition of Specialist Sub-group.

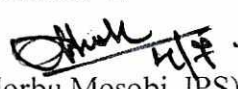
- | | | |
|-------------------|---|---|
| Presiding Officer | : | Sh. Hemant Priyadarshy, IPS, ADG, EC HQ, ITBP |
| Member-I | : | Sh. Sang Norbu Mosobi, IPS, DIG (Prov.) N.E Ftr, ITBP |
| Member-II | : | Sh. Sudhakar Dubey, DC, Group Centre CRPF, Guwahati |
| Member-III | : | Sh. Sachin Rana, DC (AIA), Ftr. HQ, BSF, Guwahati |
| Member-IV | : | Sh. K. Ramana Raju, DC (Conn.) Ftr HQ, SSB, Guwahati |
| Member-V | : | Sh. Rahul Dhar, Capt., HQ, Assam Rifle, Shillong |
| Co-Opted Member | : | Sh. Jai Kishan, Group Capt. HMID (W.B) |

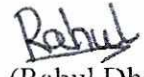
7. In pursuance of the above order, the board of specialist sub-group assembled at HQ Eastern Command, Guwahati, ITB Police on 04-07-2022. Member-V & Co-Opted Member of the sub group were present in meeting through Video Conference.

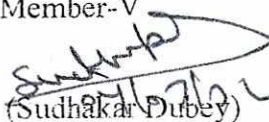
8. The Specialist sub-group deliberated upon operational requirements of the LED Head Light for CAPF troops in various type of terrain and climate, and also dwelled upon the requisite generic QRs of the product as available in the open source. All contingencies, utilities and suitability of above proposed product were deliberated upon in detail.


9. Accordingly, the Specialist Sub-group has prepared QRs and TDs/ Specifications based on the ground realities and keeping in view of the operational requirements. The QRs and TDs/ specifications agreed upon by the sub-group are appended as Appendix-A for ready reference.



(K. Ramana Raju)
DC (Conn.) Ftr. HQ SSB
Member-IV

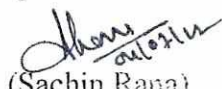

(Sang Norbu Mosobi, IPS)
DIG (Prov.) N.E Ftr, ITBP
Member-I


(Rahul Dhar)
Capt., HQ, Assam Rifle
Member-V


(Sudhakar Dubey)
DC, GC, CRPF
Member-II


(Hemant Priyadarshy, IPS)
ADG, EC HQ, ITBP
Presiding Officer


(Jai Kishan)
Group Capt., HMID (W.B)
Co-Opted Member

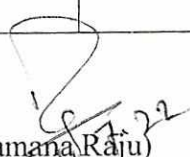

(Sachin Rana)
DC (AIA) Ftr HQ, BSF
Member-III


Appendix a

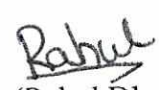
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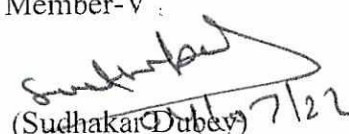
QRs and TDs/ SPECIFICATION IN R/O HELMET MOUNTED LED HEAD LIGHT


S.No	PARAMETERS	QRs/ SPECIFICATION
1	Light Source	LED and there should also be option for yellow light for foggy condition.
2	LED Power	Not less than 3 watt
3	Beam Focus Method	Mirror Reflector with option for cover
4	Primary & Secondary Beam	Yes, Dual Beam with regulator switch for change over from narrow & wide beam
5	Approximate Primary Beam Angle	20 deg Narrow Beam
6	Approximate Secondary Beam Angle	100 deg Wide Beam
7	Operating Modes	Low & High
8	Blinking Mode (For indication/ SOS Purpose)	Yes
9	Backup Time in High Power Mode	Not less than 10 Hours
10	Approximate Distance of Propagation	Not less than 50 Meters
11	Lumens	Not less than 300 Lumens and amount of Light intensity should be variable and controllable.
12	Battery Type	Li Ion/ Li Po Internal
13	Battery Capacity	Not less than 3000mAH
14	Charging Type	External Electric Charger
15	Charging Time	Should not take more than 04 Hours



(K. Ramana Raju)
DC (Comn.) Ftr. HQ SSB
Member-IV

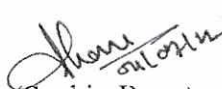

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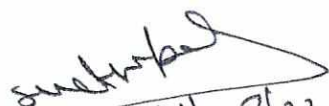
S.No	PARAMETERS	QRs/ SPECIFICATION
16	Battery Shelf Life	Not less than 3 Years
17	Battery Short Circuit Protection	Yes
18	Beam Up/ Down Adjust	Yes
19	Lamp Mounting	Special metal interlock clip
20	Detachable Lamp	Yes
21	Water Resistant	Yes IP-65 or better
22	IP-65 Protection	Yes
23	Dust Resistant	Yes
24	Vibration Resistant	Yes
25	Lamp Weight Excluding Charger	Not more than 200 Gm
26	Warranty	Not less than 01 Year
27	Battery Level Indicator	Yes
28	Head Lamp Rotation	Not Less than 120 degrees
29	Head Band	Resilient elastic band 1" width adjustable plastic strap and hook for multiple surface attachment/ adjustments like helmet/ Cap/ Hat FS
30	Casing	Vulcanized rubber/ Silicon fitment/ rubberized polycarbonate casing
31	Spare batteries	One with each LED Light

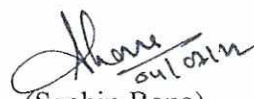

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(Hemant Priyadarshy, IPS)
ADG, EC HQ, ITBP
Presiding Officer

~~Approved/Not approved~~


Dr. Sujoy Lal Thapsen, IPS
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Lodhi Road, New Delhi-03