

SCOPE OF WORK

Bids are invited from eligible and qualified bidders for the Supply of 11 BR Jacket and 01 BR Helmet for CISF at India Government Mint, Noida. The detailed Technical Specifications for the procurement are mentioned below.

A. BR Jackets – Quantity 11 Nos.

1. Size of B R jacket –

- (a) Large (L) – 07 and,
- (b) Extra-Large (XL) – 04

2. Protection against Protection as per BIS Level-5, ICW Configuration, 25mm BFS Armor Weight & Area as per BIS IS 17051:2018

3. **Threat Level:** BIS Level 5 (As per Table 7 of IS 17051:2018 Amendment no. 1 July 2020)

4. **BFS:** ≤ 25 mm (As per Para 6.2.2. and Annex D of IS 17051:2018).

5. **Configuration:** The configuration should be In-conjunction with configuration (As per Para 3.17 of IS17051:2018).

6. **Areal Density of HAP:** The Aerial Density of the HAP should not be more than 27 Kg/sqm. (As per Table 6 of IS 17051:2018)

7. **Pocket with flaps on Outer Carrier:** The BRJ should be provided with the 2 nos pockets to accommodate 4 nos AK Magazine (2 magazine in each pocket) and 2 nos. pockets to accommodate 2 grenade (1 each).

8. **Kamarbandh:** A belt of nylon material having minimum width of 10 cm should be provided around the waist to properly secure the bullet resistant jacket with the body of the wearer around waist, so that weight of jacket is distributed on waist/shoulders. The belt / kamarbandh should be provided with double locking of jacket with hook and loop fastener. (As per Para 5.1.4 of IS 17051:2018)

9. **Outer Cover fabric:** The colour of the fabric should CISF camo print in colour and the specification of the fabric should be as per Para 5.1.1. of IS 17051:2018 and Table 2 of IS 17051:2018)

10. **Hook and Loop Fasteners:** All the clothing flaps of the jackets should be provided with hook and loop fastener, so that it can be worn and taken off easily and quickly. The hook and loop tape fastener should be supplied colour. The shade of the hook and loop fastener should be uniform throughout on both hook and loop fastener. The hook and loop fastener should conform to the requirements specified in Table 3 of IS 17051:2018. (As per Para 5.1.2. of IS 17051:2018)

11. **Color of the Fabric:** CISF camo print

12. **Water repellent covers for HAP:** The HAPs should be encased in water repellent cover. Water repellent cover should meet the water resistance requirement as specified in Table 2, SI No. (v) of the IS 17051:2018.

13. **Labeling of Ballistic Component:** All ballistic components of the bullet resistant jacket should be properly labelled. The label should be on the wear side of the component. The labelling should be in bold legible letters and should contain the following information:

- a. Type of the material such as soft/hard armour panel;
- b. Manufacturer name/logo/identification mark;
- c. Threat level;
- d. Name of product/model number;
- e. Size;
- f. Panel ID;
- g. Lot/batch number;
- h. Date of manufacturing in DD:MM:YYYY format; and
- i. Date of expiry in DD:MM:YYYY format.
- j. The strike face should be clearly marked in large legible letters on the strike side

14. **Declaration of material:** The supplier should declare the type of materials, number of layers, and their areal density in technical bid of tender and should have to maintain the same in bulk supply. The information should be kept in sealed/secured condition and will only be opened in case of failure of lot during bulk testing for comparison.

15. **Sizes:** Medium/Large/ Ex- Large (As per IS 17051:2018)

16. **Warranty:** 01 Year

17. **Hard Armour Panel:** Front, Back & Side

18. **Protection Area of the HAP:** The minimum protection area of the Hard Armour Panel should be as per Table 5 of IS 17051:2018.

Size	Panel		
	Front (in sq. m)	Back (in sq. m)	Side (each plate)
Medium	0.0735	0.0735	0.0359
Large	0.0772	0.0772	0.0377
Ex-Large	0.0810	0.0810	0.0396

19. **The Maximum Weight of the Jacket:** The maximum weight of the Bullet Resistance Jackets should be as per IS 17051:2018 (Annexure C).

Size	Weight
Medium	8.91 kg
Large	9.39 kg
Ex-Large	9.99 kg

20. **Manufacturing License:** OEM should have the Industrial License issued from DIPP under the Industries (Development & Regulation -IDR) Act, 1951. If vendor participate with the OEM authorization letter, in that case vendor should present the OEM's Industrial License.

21. **NSIC:** NSIC certificate shall not be considered as manufacturing license.

22. **Hard Armour Plates of the Bullet Resistance Jackets:**

- i) The ceramic of the Hard Armour Plate should be B4C (Boron Carbide).
- ii) The composite of Hard Armour Plate should be made using ceramic of density < 2.60 gm/cc.

iii) The hard armour panel should be monolithic to ensure ceramic material presence up to the edges.

23. **BIS License:** The Product should be BIS Level -5 certified and should have the CM/L Number marked on the Jacket. The OEM should submit their valid BIS certificate.
24. **JV/Consortium:** JV and consortium is not allowed in the bid.
25. **OEM Experience:** OEM should have supplied BIS Level 3 Jackets in Last Three years
26. **Test Reports:** Test Report should be latest and not to be older than 1 Year.
27. **Non-Black Listing:** The bidder and OEM participating in the tender shall submit a duly notarized affidavit on non-judicial stamp paper declaring that his/her firm, manufacturing firm, parent company, sister concern/associated company and his/her authorized dealer/servicing agent (as specified in the technical bid) have not been black listed, debarred or declared ineligible at any time by the Central Govt., any State/UT Govt./PSUs/Army or any Para military or Govt. Security Agency
28. **OEM certification:** The OEM and bidder has to submit a declaration they have never been blacklisted/banned/debarred or their EMD/ Back Guarantees forfeited by any of the MOD/MHA dept in India due the non-supply of the stores.
29. **False and Misleading Declaration:** The above undertaking further states that, if at any time this declaration is found to be false or misleading, the bid or contract shall be liable for cancellation or termination, and the Earnest Money Deposit (EMD) and/or Security Deposit (SD) will be forfeited, without prejudice to any other action that the organization may deem appropriate.
30. Warranty should be not less than 1 year
31. BR Jacket should be properly packed.

B. BR Helmets - Protection against 9x19 mm Ammunition

01 no. required BR Helmets - with size Large (L)-

SPECIFICATION OF BR LIGHT WEIGHT HELMET (LEVEL IIIA)

1. **Physical Characteristics:** The helmet should be light weight and ergonomic.
2. **Operational Characteristics:** The helmet should not impair normal hearing of the individual.
3. **Protection:** The complete helmet should provide protection against 9mm KF ammunition (one shot each from front, rear and the two sides of the helmet) fired by Indian 9mm Carbine from a distance of 20m, which should not degrade after helmet is immersed in water for minimum two hours.
4. **Design:**
 - a.) Helmet should adequately cover neck and ears, facilitate use of hand set of communication radio, should not hinder aiming during firing and enable unhindered use of in-service optical devices and personal spectacles.
 - b.) It should be provided with suitable adjustable straps/ fasteners with multipoint support, chin cup and inner harness, rugged and harmless to skin, for securing the

helmet and comfortable to wear in Indian Summers. The harness should be of washable material. It should be possible to wear, adjust and remove the helmet with ease with gloved hands.

c.) The minimum gap between the harness and inner surface of the helmet should be 16mm and should ensure air circulation. The maximum deformation should not be more than 13mm.

d.) The surface should be olive green colour with matt finish. Any metal parts is used must be coated or laminated with insulating material.

e.) Bolt free design for uncompromised protection across the helmet.

5. **Accessories:** It should be provided with reversible cloth cover of disruptive (Indian Army) and suitable arrangements for securing it.

6. **Size and Weight:** The size of the helmet (to fit the head sizes given below) and weight (without Headsets Assembly) should be as under:-

(a) Small Size - 48 to 52 cms (Weight Maximum 1.2 Kg).

(b) Medium Size - 52 to 57 cms (Weight Maximum 1.3 Kg).

(c) Large Size - 57 to 62 cms (Weight Maximum 1.4 Kg).

7. **Service Life:** Minimum 10 years.

8. **Markings of Size:** The size should be printed/ labelled on the inner side of the helmet and should not wear off with rough use.

9. **Industrial License:** The OEM should have the Industrial license issued from DPIIT under IDR Act 1951 for defence Sector.

10. **RMAC Certificate:** The OEM of the Ballistic helmet should provide the RMAC (Raw Material Assurance Certificate).

11. Ballistic test reports should not be older than 1 year from the date of the RFP.

12. Ballistic Test report should be submitted for the aforementioned specifications from any NFSU/TBRL or any Indian Govt Accredited Lab.

13. Warranty should be not less than 1 year.

14. BR Helmet Should be proper packed.

TERMS AND CONDITIONS

1. **Taxes and Duties:** Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until completion of contracted period to India Govt. Mint, Noida. If the tenderer fails to include taxes and duties as per law of the land in the tender, no claim thereof will be considered by purchaser at a later stage.

2. **Price:** FOR Mint site Noida basis.

3. **Pre-Production Sample:** The successful bidder is required to supply 01 BR Jacket and 01 BR Helmet within 10 days from the issue of PO.

4. **Delivery:** To be completed within 45 days after the approval of sample from IGM Noida. Delivery at India govt. Mint, Noida

5. **Payment Terms:** Payment will be made after suitability is confirmed by user department.
6. **Option Clause:** The purchaser reserves the right to increase the ordered quantity by 25% at any time, till final delivery date of the contract, even though the quantity ordered initially has been supplied in full before the last date of delivery period. Bidders are bound to accept the revised quantity.
7. **Liquidity Damage:** If the Seller/Service Provider fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, the Buyer will be entitled to deduct/recover the Liquidated Damages for the delay @ 0.5% of the contract value of delayed quantity per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value of delayed quantity without any controversy/dispute of any sort whatsoever.
8. Please Provide scanned copy of cancelled cheque of Account in which payment is to be made & E-mail address also.

ELIGIBILITY CRITERIA:

The bidder firm should meet following eligibility criteria to qualify for the subject GEM bid:

(A) For MSE/Start-up firm: Capability - Equipment & Manufacturing Facilities: The bidder firm should have capability to manufacture and supply of tendered items.

(B) For other firm - Experience and past performance: The bidder firm may be Manufacturer/ Proven supplier/Authorized dealer or distributor of tendered items or bidder may participate with manufacturing authorization form (issued by manufacturer of tendered item).

For capability: Copy of the recent work order /Purchase Order awarded by any of the Govt/PSU/Department/Autonomous bodies/ any other private firm may be provided. Copy of satisfactory completion certificate issued by any of the Govt/PSU/ Department/Autonomous bodies/ any other private firm in support of capability criteria may also be furnished

BIDDERS ARE REQUESTED TO SUBMIT DULY SIGNED AND STAMPED THE ABOVE SCOPE OF WORK AS ACCEPTANCE AND COMPLIANCE OF ALL TERMS AND CONDITION OF THE BID AND NEEDS TO SUBMIT ALL RELATED DOCUMENTS ALONG WITH THE BID.