

POLICE

HEADQUARTERS

J&K

JAMMU

NIT NO. <sup>\*\*\*\*</sup> 3 OF 2012  
DATED: 27 / 1 / 2012

For and on behalf of the Governor Jammu & Kashmir State, sealed tenders affixed with revenue stamp of Rs. 5/- are hereby invited from original manufacturers or their authorised dealers having authorization from the manufacture/s to quote against the tender for the **supply of BP Jacket/ BP Helmet detailed out in annexure "A" to this NIT.**

2. The tenders shall be properly sealed and addressed to **ADGP (Headquarters) C/O Director General of Police J&K Jammu.** The tender envelopes shall be superscribed as **"TENDER FOR, BP Jacket/ BP Helmet", NIT NO. 3 of 2012 dated 27.01.2012.** The tenders may be sent by post well in time or delivered personally, at **J&K Police Headquarters Gulshan Ground Jammu,** whichever is convenient to the tenderer. No telegraphic tender shall be accepted. **The samples should be deposited at Police Central Store Gulshan Ground Jammu.**

3. Intending tenderer shall furnish tender in two parts i.e. Technical bid and Financial Bid. Each Bid shall be in a separate envelop duly superscribed as **Technical Bid & Financial Bid, along-with name / address of the tenderer, NIT No; and due date.** Sealed envelop containing **Technical Bid & Financial Bid** shall then be placed in one cover which shall be duly sealed and superscribed giving NIT no., due date and name of the tenderer.

**Part 1<sup>st</sup>. Technical bid shall contain: -**

- a. Earnest Money & Tender fee.
- b. Technical specifications of the Equipment supported with original catalogues/ literature.
- c. Delivery period, validity of offer, other terms & conditions governing installation, payment, onsite comprehensive warranty etc,
- d. Sales Tax/VAT registration certificate be furnished. The latest sales tax/VAT clearance certificate issued from the Sales Tax department/VAT department or latest Sales TAX/VAT deposit acknowledgement/challan must be attached. This is subject to verification, if necessary.
- e. List of orders received and executed during the last two years giving reference to the order, value and name of agency/department alongwith performance report.
- f. Certificate of being authorized dealer having authorization of the original manufacturer to quote against the tender.
- g. A copy of this NIT duly signed & stamped on every page by the tenderer, in token of having understood and accepted the specifications, terms & conditions of the NIT.
- h. **Sample as per BPR&D guidelines.**

**Part 2<sup>nd</sup> of the tender shall contain Financial bid** indicating the cost details of equipments, offered quantity, unit basic rate inclusive of all leviable duties, taxes, , VAT, Custom duty, toll tax, freight, Insurance, Octroi etc to the point of delivery and F.O.R. destination i.e. Police Central Stores, Jammu/ Srinagar. Rate & amount of tax so levied shall be shown separately). No escalation of basic rates will be allowed during the validity period i.e. upto 31.03.2013. The **J&K State entry tax** shall be reimbursable on production of original document in favour of the successful tenderer at actuals (extra) , after making the supplies. The current rate of J&K SET is 13.5%. The rates quoted against the item shall be properly taped with transparent tape. The rates so quoted shall be final **J&K Police does not issue Road Permits, Entry Tax, Octroi or any other tax exemption certificates. Rates quoted shall be final till the validity of the contract i.e. upto 31.03.2013. Rates shall be quoted strictly as per the format given in Annexure-B, to this NIT.**

4. Tender offers alongwith specifications duly accepted by tenderer shall be received by **Police Headquarters Gulshan Ground Jammu J&K on or before 24.02.2012 upto 1600 hours.** The tenders received after the expiry of prescribed period will not be entertained and shall be outrightly rejected.



5. On due date of opening of tenders i.e. 27.02.2012 only technical bid of the tender shall be opened. Only authorised representative will be allowed to attend the meeting for opening tenders. He/She shall also bring authority letter on company/firms letter head that any decision/negotiation taken by him/her would be accepted by company/firm. In case of unforeseen circumstances the date of opening will be next working day. The Financial bid shall be opened only in case of such tenders which on scrutiny of Technical Bid are found to have qualified for opening of the same. The financial bid will be opened on any other day at the discretion of State Level Purchase Committee.
6. The intending tenderer/s will have to send the Earnest Money only in shape of CDR/FDR of Rs. 2.00 lacs in lumpsum, pledged to AIG Prov/Tpt. PHQ J&K Jammu with the tender offer, **failing which the tender shall be rejected**. However, J&K Govt. rules with regard to furnishing of EMD in respect of Registered SSI units shall be applicable in letter and spirit. The local SSI units are required to pay the earnest money prescribed as per J&K Govt rules. Besides, SSI units shall also furnish registration certificate duly authenticated by Directorate of Industries Jammu/Srinagar with the tender failing which the benefits of SSI units will not be allowed.
7. The Government/ Semi Govt. or similar other concerns, claiming exemption from the payment of EMD shall have to append duly authenticated orders, certificate etc. from competent authority supporting their claims.
8. The tender fee has been fixed at Rs 2000/- which shall accompany the tender offer only, in the shape of a crossed demand draft favouring Chief Accounts Officer PHQ, J&K payable at Jammu. The tender fee is not refundable and the same will be deposited into Govt. Treasury under Head 0055-Police for the year 2011-12. **The tender offer will not be considered without the tender fee**. The local SSI units are required to pay the tender fee prescribed as per J&K Govt rules. However the Govt/Semi-Govt. concerns of the J&K State claiming exemption shall append authenticated orders, certificates etc. issued by competent authority in support of their claim.
9. The rates quoted against this NIT shall be valid till 31.03.2013. The rates quoted shall be written both in figures and words and free from over-writings, cuttings and alterations. Successful tenderer shall have to make the supplies within the stipulated period as would be mentioned in the supply order.
10. **The requirement for samples and ballistic trial etc. shall be strictly as per BPR&D guidelines, detailed out with specifications in annexure "A"**.
11. The supplies delivered by the successful tenderers shall be surveyed and verified at our Stores i.e. Police Central Stores Jammu/Srinagar.
12. A Certificate that quoted rates are minimum as applicable to Govt. departments shall be furnished.
13. The successful tenderer shall have to enter into an agreement on prescribed proforma (immediately after the issue of supply order) with the Department for due performance of the contract which shall be invariably furnished before the supply is made.
14. The tenderer is required to furnish an authenticated copy of Sales Tax/ VAT clearance certificates (alongwith the tender offer or at the time of payments) for the year 2010-11. The PHQ shall be at liberty to put to scrutiny, verification etc. the Sales tax clearance so furnished by the successful tenderer.
15. Payment shall be made by the Purchasing officer against each consignment delivered inspected, accepted, installed and properly brought on stock in the concerned stock registers of the Department.
16. The quantities indicated in the tender Notification are tentative and this Headquarters reserves absolute rights to change the same without any prior notification upto the validity of rate contract of this NIT.
17. The Director General of Police J&K reserves absolute powers to reject or accept any tender without assigning any reason and without any legal obligations. Any clause incorporated in the tender (not conforming to the NIT in any manner) shall make such an offer liable for rejection. Therefore, all the terms and conditions of the tender Notice shall be carefully studied for the sake of complete and comprehensive tender. Failure to comply with any of the tender conditions or instructions or the offer with insufficient particulars/documents which is likely to render fair comparison of tender as a whole impossible shall lead to rejection even if otherwise, it is a competitive offer/tender.

18. Copies of tender can be had on any working day (during office hours) from AIG (Prov/Tpt) Police Headquarters J&K Jammu or office of DIG of Police CKR, Srinagar or SP J&K CID Cell II Harish Chander Mathur Lane Kasturba Gandhi Marg New Delhi 110001. The detailed NIT is also available on our Website [www.jandkpolice.org](http://www.jandkpolice.org)

4.  
ADGP (Hqrs)  
For Director General of Police,  
J&K Jammu  
Dated: 27/1/2012.

No. Prov-II/NIT- 03/Sec-26/2011-12/5117-41

Copy to the: -

1. Principal Secretary, Home Department J&K Government, Jammu.
2. All IsGP of J&K State.
3. Director Industries Jammu/Kashmir.
4. DIG of Police CKR Srinagar alongwith 10 copies of NIT for distribution among the leading firms.
5. Director Information J&K Jammu alongwith copy of NIT and Gist thereof for publication in National and Local Dailies, tender journals etc for wide publicity. The payment for publication in National Dailies shall be paid by PHQ against bill.
6. Director, Door-Darshan, Jammu/Srinagar and Station Director Radio Kashmir Srinagar/Jammu for putting the Tender Notice on air for three consecutive days.
7. Manager, Government Press Jammu/Srinagar for publication in Govt. Gazette.
8. SP J&K CID Cell New Delhi along with 10 copies of NIT for distribution among leading firms/dealers.
9. PRO to DGP J&K Jammu alongwith 06 copies of NIT and Gist thereof. He will ensure that the Gist of the NIT is got published in two leading National Dailies one published from Delhi and another from Kolkatta and one each in Local Dailies published from Jammu/Srinagar through Director Information J&K. The press cutting of the Newspapers shall be made available immediately to AIG (Prov/Tpt) PHQ J&K.
10. I/C Police Central Store Gulshan Ground Gandhi Nagar Jammu/Zewan Srinagar
11. Incharge IT Centre PHQ for posting the NIT available on J&K Police website.

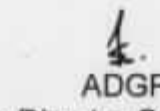
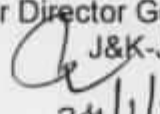
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ADGP (Hqrs)  
For Director General of Police,  
J&K Jammu  
24/1/12

## TERMS AND CONDITIONS of NIT 3 OF 2012

Dated: 27 / 1 / 2012

1. Tenders shall be filled in clearly and with one ink. No cuttings/alterations/ over-writings shall be made in the tender. Correction, if any, be done clearly and properly initialled.
2. No conditional tender will be accepted/ entertained. It will be summarily rejected. No other condition than those mentioned (in the terms set-forth) will be entertained;
3. Tender must be accompanied by the earnest money as clearly specified, only in the form of CDR/FDR from a Nationalized/ Scheduled Bank, pledged in the name of AIG (P&T) PHQ Jammu. No Cash/Cheque or demand draft/postal order will be entertained. The earnest money in the case of unsuccessful tenderer shall be refunded after final acceptance of the contract/rate where as in the case of successful tenderers it will be adjusted towards the security money (required to be deposited) for due performance of the agreed contract, performance warranty period;
4. Successful tenderers shall have to draw an agreement and **deposit Security to the tune of 5% of the value of the supply order in the Shape of CDR/FDR**, in the manner specified in column 6 of the main NIT, for due performance of the contract. The security Money will be refunded after satisfactory completion of the agreed contract to the entire satisfaction of this Headquarters. No interest shall be paid by the department on such deposits. The charges on stamps etc. (cost of documents in totality) shall be borne by the supplier while executing the agreement;
5. Remittance charges (Bank Commission) on payment made to the firms will be borne by the suppliers. The charges of stamp etc. shall be paid by the supplier while executing the agreement;
6. The approved supplier shall be deemed to have fully understood the conditions, specifications, size, patterns, make etc. of the article/s etc. to be supplied and in case of any doubt may seek clarification;
7. As soon as the acceptance of the tender is communicated to the successful tenderers, the contract shall be binding on him. The earnest money of the tenderer who backs out or withdraw his tender or fails to abide by it after acceptance thereof is communicated/posted to him shall be forfeited besides other penal remedies that may be available to the Govt. of the J&K under the law for the time being in force in the State of J&K;
8. (a) If after the registration/placement of orders/execution of the agreement and formally depositing the security money, the tenderer backs out or fails to supply the goods, the security deposit will be forfeited besides any other penal measure the department may take as per norms;  
b) The formal deed incorporating the terms of the contract will be executed by the successful tenderer immediately after receipt of supply order. Failure to execute such bond/deed shall not however prevent the contract from being enforced against the tenderer. Any loss sustained by the Govt. as a result of re-tendering the contract shall be recovered from the defaulter, besides other penal measures as the department may take;

- c) Goods shall be delivered (as per instructions in supply order) either at Police Central store, Gulshan Ground, Gandhi Nagar, Jammu or Police Central Store, Zewan, Srinagar duly packed in perfect condition. The supplier if he so desires may insure the goods against loss or theft, destruction, damages by the natural calamity loss by exposure to weather or other wise viz. war rebellion, riot etc. The insurance charges will have to be borne by the supplier and the department shall not pay such charges;
- d) If the successful tenderer fails to supply the goods of the prescribed specification or fails to deliver the goods within the stipulated period as specifically mentioned in the supply order, the department shall be at liberty to arrange supplies by re-tendering or other wise at his risk and cost. The department may give 15 days notice or as is deemed appropriate, to the approved supplier in writing to make supplies good. In case of failure to supply the consignment on specified qualitative & quantitative terms, the department shall be lawfully entitled to forfeit the amount of the security money and take penal action to make good the loss sustained or excess cost incurred by the state in arranging of the supplies and other remedies that may be available to the department, under the law for the time being in force in the state;
9. All legal proceedings arising out of any dispute between the parties shall have to be settled in the Courts situated in Jammu and Srinagar and not elsewhere;
10. The successful tenderers shall arrange supplies within the period mentioned in the supply orders. The period of delivery and validity may be extended, at absolute discretion of this Hqrs provided the delay is attributable to reasons beyond his control;
11. It shall be incumbent upon the supplier to provide entire supply, in conformity with the approved sample, strictly as per the specifications provided in the NIT. Supplies found deficient in quality and not in accordance with the supply order/tender conditions, shall be rejected. Before accepting the supplies, the department shall subject the supplies received against the supply order to test check.
12. The supplier shall not sublet the contract or any part thereof to any other agency;
13. The decision of the accepting authority shall be final as to the quality of stores and shall be binding on the supplier. **In case the articles supplied are not according to the approved sample they shall be rejected.** The loss caused due to rejection of the supplies shall be entirely borne by the supplier. The rejected articles shall be lifted by the supplier within one week from the date of rejection. The department shall in no case be responsible for any loss or damage that may occur to the rejected stores while these are in the premises;
14. The payees receipt shall be in machine number;
15. The Department reserves the right to add or suitably modify the terms and conditions (without prior notification) as per exigencies and hence above shall not be construed as all inclusive.

  
ADGP (Hqrs)  
For Director General of Police,  
J&K-Jammu  
  
24/1/12

POLICE

HEADQUARTERS

J&K

JAMMU.


GIST OF NIT NO. 3 of 2012

DATED: 27-01-2012

For and on behalf of the Governor J&K State, sealed tenders on plain paper affixed with Rs. 5/- Revenue stamps are invited from original manufacturers or their authorised dealers having authorization from the manufacturer to quote against the tender for the supply of "BP Jacket/BP Helmet", so as to reach Police Headquarters J&K Gulshan Ground Jammu upto 24.02.2012 by 1600 hours. The tenders must be submitted in two parts (Technical bid and financial bid) in separate sealed covers, superscribing on them the technical or financial bid and shall be forwarded in single envelop conspicuously superscribing on the top of the cover **NIT NO: of 2012 for BP Jacket/BP Helmet** and addressed to ADGP (Hqrs.) PHQ, J&K Jammu c/o Director General Of Police J&K Jammu. Approved authorised dealers will attach authenticated copy of valid authorisation from the principal manufacturer with their tender offers alongwith an authorization to quote against the tender. The tenderers shall deposit the samples of each tendered item with Police Central Stores Gulshan Ground Jammu by the last date of receipt of tenders. Tenders or samples received after prescribed date or time shall not be accepted.

Technical Bid of the tenders will be opened on 27. **02.2012 at 1100** hours at Police Headquarters **J&K Gulshan Ground Jammu**. In case of unavoidable circumstances or holiday on the said date, the technical bids will be opened on the next working day or as notified separately .

Detailed tender documents with terms and conditions can be had on any working day from AIG (Prov/Tpt) PHQ J&K Gulshan Ground Jammu or DIG of Police CKR Range, Srinagar or SP J&K CID Cell II Harish Chander Mathur Lane Kasturba Gandhi Marg New Delhi 110001. Detailed tender is also available on J&K Police website [www.jandkpolice.org](http://www.jandkpolice.org)

  
ADGP (Hqrs)  
For Director General of Police,  
J&K-Jammu  
24/1/12

SPECIFICATION FOR BULLET PROOF JACKETS	Qty.
	2000 Nos.

**DESIGN PARAMETERS FOR BP JACKETS**

**Annexure "A"**

- A. Shall conform to NIJ Standard of Ballistic Resistance of Personal Body Armour (NIJ Standard – 0101.04 updated revision 'A' & 'B').
- B. Protection against all of the following weapons:
- (i) 9 mm bullet fired through Sten Machine Carbine from a distance of 5 meters;
  - (ii) 12 bore shot (solid slug) fired through full length shotgun from a distance of 10 meters;
  - (iii) 7.62mm bullet NATO ball ammunitions fired through 7.62mm SLR from a distance of 10 meters; and
  - (iv) 7.62mm mild steel core bullet fired through AK series rifles from a distance of 10 meters.
- C. Vest should have the components mentioned in para E below. Each component should be made of multi layers of same material. Each layer will be in single piece and of equal shape and size to maintain uniform thickness all over area up to edge level.
- D. **SIZES OF SOFT ARMOUR PANEL (SAP): STANDARD AND LARGE.**
- E. **AREAS OF COMPONENTS OF SOFT ARMOUR PANEL**  
 Coverage area of the soft armour panel as per the sizes will be as under:

S.No.	Panel	Standard size (Sq. Mtr.)	Large size (Sq.Mtr.)
1.	Front	0.15	0.18
2.	Back	0.24	0.26
3.	Collar (Total)	0.06	0.06
4.	Shoulder (Total)	0.04	0.06
5.	Groin	0.06	0.06
	Total	0.55	0.60

However, drawings of the various components of BP jacket are enclosed as appendix-'A' for guidance purpose in respect of its dimensions.

- (i) **Negative tolerance in terms of area measurement is not permissible.**
- (ii) **Measurements will be made with the help of scaled drawing on graph paper and using planimeter.**

**F. WEIGHT OF THE JACKET**

Total weight of BP Jacket including HAPs, SAPs, trauma pads and outer carrier should not exceed as mentioned below:-

- (i) Standard size - 6.31 kg
- (iii) Large size - 6.62 kg

**Positive tolerance in weight is not permissible.**

**G. Size of Hard Armour Panel –305mm X 254mm**

**Negative tolerance in dimensions of HAP is not permissible.**

H. Shall consist of an outer carrier, removable Soft Armour Panels of aramid fibre and two High Performance Polyethylene Plates.

**BP JACKET - CONSTRUCTION:**

- (i) It shall provide protection to front, back torso and groin, full sides, upper shoulders, neck and collar. Besides neck & collar protection, it should not

- restrict the vertical movement of the neck of the wearer.
- (ii) Shall be light weight and comfortable providing optimum mobility and speed.
  - (iii) Adjustable at the shoulders, waist and groin with appropriate fasteners (Velcro's). An adjustable nylon belt of minimum 10 cm width should be provided with double locking of jacket with velcro.
  - (iv) **The vendor has to declare the type of materials, number of layers and their aerial density in technical bid of tender and they have to maintain the same in bulk supply.**
  - (v) SAP should be encased in polyurethane coated materials so as to make it water proof.

**(vi) VELCRO FASTENERS**

All the clothing flaps of the jackets should have high quality velcro fasteners, so that it can be worn and taken off easily/quickly. The peel and shear strength of the Velcro used shall not be less than 250 newton/cm<sup>2</sup> and 1300 newton/cm<sup>2</sup> respectively when tested as per IS: 8156-1994. (The IS: 8156-1994 may be available in the office of Bureau of Indian Standards).

**(vii) POCKET WITH FLAPS**

The jacket should be provided with two external pockets in outer carrier to house two magazines of 5.56mm LMG in each pocket. Two pockets should also be provided to accommodate one grenade (HE 36) in each pocket. The size of each magazine is 19 cm X 7.6cm X 3.5cm and size of HE 36 grenade is 110 mm X 65 mm.

**(viii) BELT/KAMARBANDH**

An additional belt of nylon/polyester weaving with minimum width of 10 cm inches should be provided around the waist to properly secure the B.P. jackets with the body of the wearer around waist, so that weight of jacket is distributed on waist/shoulders. **Kamarbandh should be of same material as outer carrier with velcro.**

- (ix) Two pouches (one each on front and rear of outer carrier) should be provided to accommodate two 305 mm x 254 mm Hard Armour Plates so that jacket protects vital organs of body.
- (x) Ballistic panels (SAPs & HAPs) shall be removable from outer carrier.
- (xi) Outer carrier shall be machine washable

**(xii) TRAUMA PAD FOR TRAUMA ATTENUATION**

- (a) Trauma pad must be provided behind the SAPs, so that it remains to body surface to provide proper cushioning.
- (b) It must cover uniformly up to edge level of the SAPs.
- (c) Trauma pad will be made of specified material (non-woven 100% polyester staple fibre wadding), whose details are enclosed at appendix-B. **Placement of trauma pad/ additional layers at any other place is not permissible.**
- (d) Trauma level should not exceed 25 mm in plasticine block at 30 ± 2.9 degree centigrade temperature of plasticine.
- (e) **Drop test will be carried out as specified in NIJ standards.**

**MATERIALS**

- The outer carrier shall be made of high tenacity, heavy duty, abrasion resistant and 100% vest integrity fabric PU coated Nylon.
- The fabric shall be treated for protection against water, fire (fire retardant) and ultra violet rays' exposure.
- The fabric must be suitable to wear in the Indian conditions of heat, rain and



humidity.

- The inner side (body side) shall also be of a similar fabric and shall be treated for moisture and water repellency.
- The cloth of the carrier must be pre-shrunk before stitching.

Note:

(1) The methods of testing criteria for measuring the properties of outer carrier shall be as per IS: 11871-1986, IS: 3417-1979 (reaffirmed 1997), IS: 392-1989 and IS 391 – 1975.

(2) BP Jackets should be UV resistant.

**VEST FIT:**

- The overall length of the BP jacket shall be such that there is no "ride up" while sitting.
- The overlapping degree of front and rear panels shall be such as to provide for maximum freedom of movement.

**COLOUR: CAMO.** The bidders will submit samples of BP Jackets of any camo colour. However, before placement of bulk supply order, exact camo colour alongwith modifications required, if any, in outer carrier will be intimated.

**LABELLING:** The outer carrier and the two soft Armour panels must be labeled as per NIJ standards giving the following details.

**Name of the Manufacturer:**

**Name of the Product:**

**Date of Manufacturing:**

**Date of Issue:**

**Threat level:**

**Size:**

**Serial No:**

**NIJ Standard:**

**Strike face of jacket should be clearly marked**

**SOFT ARMOUR PANEL (SAP)**

- SAP shall be able to withstand NIJ threat level III A in respect of the notified weapons caliber, bullet weight and velocity.
- Shall protect both front and back torsos.
- Shall be made of 100% Aramid air entangled fiber
- Shall be a balanced plain weave fabric to maximise the number of crossover points for maximum dispersal and absorption of impact energy of the bullet.
- The weight of the Aramid Filament, denier and type of weave shall be so balanced as to make the SAP lightweight, breathable, soft and pliable.
- The aerial density of the panels shall be such as to provide the rated ballistic and trauma protection.
- No tears, rips, worn spots, discolorations, loose or torn stitching and set wrinkles on the SAP shall be allowed.
- The panel shall be treated with approved and durable water repellent.
- The SAP shall be removable from outer carrier to allow for periodic cleaning.
- The SAP shall be placed in tightly sealed, water repellent and PU coated heavy duty fabric so as to make it completely waterproof.
- The aramid fiber layers shall be stitched in a rows and columns pattern with a distance gap of  $12.5 \pm 0.5$ mm.
- The design given with this specification is for illustrative purpose only.

Note: **Tenderers must declare number of layers and type of material (aerial density of material) used for fabricating Soft Armour Panel and Hard Armor**

Panel as per original manufacturer of the material. Raw Material Assurance Certificate (RAMC) must be given from original manufacturer in respect of material for SAP and HAP, valid for a period of six months from the closing date of tender. The vender has to declare the numbers of layers used for fabricating SAP and HAP of tender samples and they have to maintain the same in bulk supplies.

**HARD ARMOUR PLATE (HAP)**

- Shall be made of high performance polyethylene fiber.
- Shall provide NIJ threat level III protection against fire of 7.62 mm SLR and 7.62 mm AK Rifles from a distance of 10 meters in conjunction with Soft Armour Panel.
- Each plate should not weigh more than 1.5 kg.
- Shall be of minimum size 305mm x 254mm to cover the vital parts of the body.
- Curvature of the HAP shall be suitable to fit the body contour.
- HAP shall be shielded in tightly sealed, water repellent and PU coated heavy duty fabric so as to make it completely water proof.

**OTHER STIPULATIONS**

JACKET STYLE: POLICE

SERVICEABILITY: 10 YEARS (HAP, SAP & trauma pad)

GUARANTEE: The Outer Carrier along with trauma Padding shall be guaranteed for a period of 2

years against all manufacturing defects

TEMPERATURE: -50 C to +50 C

HUMIDITY: 95% at 40 C

STORAGE: Normal Room Temp.

**IMMUNITY LEVEL:**

- (a) Hard Armour Plates: The HAPs are to be tested in conjunction with SAPs.
- Six bullets NATO ball (9.6gms) fired from 7.62 MM SLR from a distance of 10 meters at zero angle of incidence.
  - Six bullets (mild steel core) fired from 7.62 mm of AK rifle from a distance of 10 Mts. at zero angle of incidence on separate plates.
  - It should stop the single shot (rifle slug) fired centrally on HAP through 12 bore full length shot gun.
- (b) Soft Armour Panels:
- Six shots fired through 9 mm Sten Machine Carbine from a distance 5meters.
- The velocities of bullets fired through weapons are given as follows:**

Armour	Test bullet	Bullet weight	Reference velocity (#9.1 m/s)	Hits for Armour part at 0° angle of incidence	BFS* Depth maximum	Shots per panel
III A	9mmFMJRN	8.2 g	436 m/s	4	25mm	6
III	7.62mm NATOFMJ	9.6g	838m/s	6	25mm	6
	7.62mm mild steel core bullet	7.91g	715m/s	6	25mm	6
Gun	12 Bore solid slug	28.4g	435 m/s	1	25mm	1

\* BFS – Back Face Signature on Plasticine.



Selected weapon and lot of ammunition, for which reference velocity has been once achieved, will remain the same throughout ballistic testing of all tender samples of various firms. **Testing Criteria**

- (i) Scientific inspection/ballistic trial of these BP jackets will be conducted as per NIJ standard 0101-04 incorporating revision 'A' & 'B' for BP jackets.
- (ii) Groin Pad will be tested ballistically with 9mm SMC. Three evenly spaced fair hits at zero degree angle of incidence shall be taken and BFS should not exceed 25 mm.

**Miscellaneous**

- (i) The supplier/manufacturer shall provide one number of BP jackets of the ordered size along with HAP at their cost from the lot of every 500 numbers but minimum four nos. per lot of jackets for the purpose of the ballistic test/evaluation of the tendered specifications at the time of materializing the supply. These will be selected prior to dispatch at random in the factory premises.
- (ii) While submitting the samples for tender, the supplier shall mention the exact area of SAP and HAP and give the template of the jackets as per the area, so that import of raw materials of the BP jackets will be allowed accordingly.
- (iii) Five tender samples are required for technical evaluation from a firm.
- (iv) Each model/brand of BP jackets should be submitted against a separate tender form.



Specifications for Bullet proof Helmet	Qty in Nos.
	= 2000 Nos

## OPERATIONAL CHARACTERISTICS

**Ergonomy:** It should be possible to wear, adjust and remove the helmet with ease even with gloved hands. It should be provided with a three point chin strap with cotton chin cup.

**Shape:** The helmet should adequately cover the neck and ears of the wearer and its design should be on the lines of the US personal Armour System Ground Troops (PASGT). The shape of the helmet should facilitate the use of hand sets of in-service communication equipment. Helmet should desirably have provision to mount a display system, hands free comn eqpt and fix electro-optical devices as and when required.

**Surface Finish and Camouflage:** The proposed helmet should be of crinkle matt finish, in the following colours:-

- (a) Disruptive IA pattern.
- (b) Khakhi/Sand.
- (c) Olive Green.
- (d) White

**Protection:-** The ballistic helmet should be able to defeat 9mm KF amm fired from Indian 9mm Carbine from 20m. The deformation in the helmet should not exceed 13mm, the min gap necessary between the harness and inner surface of the helmet.

**Climatic Conditions:** The helmet must withstand repeated and sustained exposure to climatic conditions as under

- (a) Temperature = -50°C to +50°C
- (b) Relative Humidity = upto + 80%

**Use of Optical Instruments:** The design of the helmet should be such that it should not obstruct the use of binoculars (day and night), optical sights fitted on the weapons, range finders and Artillery optical instruments like director etc.

**Compatibility:** The design of the helmet should preferably be compatible to wear alongwith respirators and chemical hoods. This may be considered as a desirable feature for subsequent improvement and development.

**Comfort:** The helmet should not cause any undue discomfort even after prolonged wearing by an individual for more than six to eight hours.

**Ability to absorb IR Radiation:** It is desirable that the helmet should be able to absorb 60 to 100 percent of IR radiations from an active IR source and should not reflect any such radiations.

**Weight:** The weight of the helmet should be as under:-

- (a) Medium size helmet; Not more than 1.20 Kgs.
- (b) Large size helmet : Not more than 1.30 Kgs.

**Inner lining/Harness:** The helmet should be provided with harness which should be adjustable to head size. The minimum distance between the harness and the inner surface of the helmet should be 13mm. It should be comfortable to wear and ensure air circulation.

**Chin Strap.** Adjustable chin strap with three point support must be provided. The material of the chin strap should be suitable to Indian weather conditions and should be rugged enough to withstand rough handling in the field. The buckle of the chin strap should be easy to engage/disengage and its position on the cheek should not hinder aiming during firing. The material of the buckle should be harmless to skin in all types of climate temperatures.

**Size:** The helmet should be provided in two sizes, viz medium and large size. The circumference of the helmet should be adjustable as under:-

- (a) Medium size = 48 to 57 cms
- (b) Large size = 58 to 62 cms

**Shelf life:** Shelf life of helmet to be minimum 10 years in field conditions.

**Provision for Visor:** Suitable provisions should exist in the helmet for attaching plastic visor, to provide limited protection against blast and splinters, without increase in weight of the helmet. An additional weight of upto 500 gms for the visor is acceptable. The visor is, however, required on selective basis.

#### **OPERATION AND MAINTENANCE:**

**Packing:** The helmet should be packed individually preferably in a water proof carry bag.

**User Evaluation:** The approval for introduction into service of the proposal helmet will be based on the test procedures as laid down in NIJ standard 0106.01.HP White Laboratory, UK and the standards set in this GSQR ( to be tested in field conditions). However, in case, where different standards have been specified in the GSQR/NIJ/HP White Laboratory, the specifications set out in the GSQR will be considered.

**Literature:** Literature giving details of the equipment, functioning and handling should be provided at the time of trials. It must also give out details of maintenance requirements.

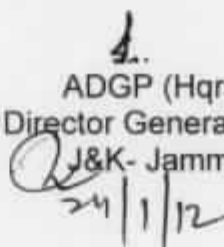
ADGP (Hqrs)  
For Director General of Police,  
J&K Jammu.  
24/1/12

**ANNEXURE 'B' TO NIT NO 3 OF 2012 DATED; 27-1-2012  
PROFORMA FOR QUOTING RATE**

**Annexure "B"**

<b>S.No</b>	<b>Rates Structure (F.O.R. Police Central Stores Srinagar and Jammu)</b>	<b>Unit rate in Rs.</b>
1.	Basic Unit Cost; In case rate is quoted in foreign currency, same will be converted in INR and fluctuation in exchange rate of currency shall be admissible.	
2.	Custom duty, Rate and amount (if applicable) shall be mentioned. Besides, if the item is exempted from payment of custom duty, reference to relevant Govt, notification shall be invariably mentioned so that custom duty exemption can be arranged.	
3.	Excise duty with rate and amount of duty (if applicable).	
4.	VAT/ CST (rate and amount to be given).	
5.	Packing, forwarding, freight, insurance etc. charges up to place of destination/ installation (Srinagar/ Jammu)	
6.	Any other duty, tax or charges. Please specify the rate and amount, in absence of which it will not be accounted for.	
7.	<b>Total Rate FOR Srinagar/Jammu</b> (inclusive of all taxes/ duties/ charges etc) ( <b>excluding State entry tax</b> which shall be quoted separately at the bottom of this format).	
8.	J&K SET @ 13.5% extra if applicable	

**NOTE; - J&K Police does not issue Road permits/concessional forms, Excise duty or State Entry Tax exemption certificates.**

  
 ADGP (Hqrs.)  
 For Director General of Police,  
 J&K- Jammu.  
 24/1/12