

**GOVERNMENT OF GOA**  
**POLICE DEPARTMENT**

Tender Form No:

Receipt No:

For the supply of: - **“(1)Bullet proof Jacket & Bullet Proof Patka,**

Last date of: receipt of Tender: **30/12/2008 upto 11:30 hrs.**

Date of Opening: **30/12/2008 upto 12:00 hrs**

Tender for the supply of **“Bullet proof Jacket & Bullet Proof Patka,”** are invited by Police Department as per the enclosed Annexure.

- 1) The tender should be sealed and super-scribed on the envelope **“Tender for the supply of “Bullet proof Jacket & Bullet Proof Patka,”** The tenders will be strictly accepted upto **11:30 hrs.** on **30/12/2008** as per the date and time mentioned in the tender notice. Tenders received after due date and time will not be considered. The Tenders will be opened in the presence of the tenderers/representatives present, if any, in the Office of the Inspector General of Police (Police Headquarters), Panaji Goa.
  
- 2) The tenderers should give their full name and address and in case of a firm, company or partnership firm, the names of the directors and partners, as the case may be, should be attached separately.

- 3)** Tenders should contain the following documents:
- i) The Earnest Money Deposits in the form of Demand Draft drawn on any Scheduled Bank, in favour of Director General of Police, payable at Panaji.
  - ii) Authority for exemption from submission of Earnest Money Deposit, if the tenderer is claiming exemption from payment of EMD.
  - iii) The valid Income Tax Clearance Certificate and Sales Tax clearance Certificate.
  - iv) Technical Literatures and Brochures confirming to the specifications.
  - v) List of organisations/Government Departments in Goa, to whom such system/items have been supplied lately. (Copy of supply orders may be invariably enclosed).
  - vi) Furnish names and addresses of the Authorised and full-fledged maintenance/service centres available in Goa to attend to the service complaints within four hours, so as to avoid downtime of the equipments.
  - vii) Duly signed terms and conditions.
  - viii) Authorised Dealership certificate should be attached to the tender.
- 4)** If the tenderer fails to submit the required documents as above, the tender is likely to be rejected at the discretion of the Director General of Police, Panaji Goa.

- 5)** Tenders should be accompanied by Earnest Money Deposit @ 2.5% of the quoted amount by way of crossed demand draft drawn in favour of Director General of Police, on any scheduled Bank, payable at Panaji.

The EMD shall be forfeited if the tenderer fails to accept the supply order and to execute necessary agreement for the supply of articles. The tender without earnest money deposit will be rejected. EMD of successful tenderers will be adjusted against Security Deposit retained during warranty period of one year and will not attract any interest when in the custody of the department.

- 6)** Following categories of firms are exempted from payment of Earnest Money Deposits.

- i. Government & Semi Government undertakings.
- ii. SSI units permanently registered with the Director of Industries, Goa, for the items that are manufactured by them.
- iii. SSI units registered with NSIC located anywhere in the country for the items manufactured by them.
- iv. The Manufacturers/suppliers claiming exemption from payment of EMD should produce the necessary Registration Certificate from the appropriate authority.

- 7)** Tenders received without the copies of income Tax and sales Tax Clearance certificates issued by the concerned authorities are liable to be rejected.

- 8)** All scorings, erasures, etc. on the tender form should be initialled by the tenderer.
- 9)** Rates of each item are to be quoted separately. Sales Tax, Excise, Transportation charges, etc. should be indicated separately.
- 10)** The detailed specifications should be furnished.
- 11)** The tender should be strictly as per the specifications. Extra parts/accessories may be quoted separately.
- 12)** The tender papers shall be signed by an authorised person under proper seal, which shall indicate in what capacity he is signing the tender documents. The tenderers should also submit a "Power of Attorney" made in favour of the person signing the documents. There should be no overwriting in the tender papers and corrections, if any, shall be authenticated by full signature.
- 13)** Rates quoted should be valid at least for six months from the date of Opening of the tender.
- 13(A)** Rates should be quoted in the schedule of items annexed to the tender.
- 14)** The materials/articles will have to be insured by the tenderer at his own cost to ensure safe delivery of the same so that the consignee is not responsible for the change/loss/damage of any goods in the transit.
- 15)** The instruments/articles shall be guaranteed/warranted for at least 12 months trouble free service. The warranty period shall start from the date the instrument/articles are installed, tested, commissioned and found to be satisfactory.

- 16)** If the items supplied are found to be of sub-standard quality and not according to the specifications approved by this office, the same will be liable to be summarily rejected.
- 17)** The tender fee is not refundable and the tender form is not transferable.
- 18)** The Director General of Police reserves the right to accept/reject any tender in part or in whole without assigning any reasons thereof. His decision on the dispute in any way touching or concerning the tender, will be final.
- 19)** The rates quoted should be exclusive of Excise, Sales Tax, Freight, handling, forwarding installation, Commissioning and comprehensive on site with a warranty for one year.
- 20)** In case of acceptance of tender, security Deposits at 10% of total value of supply order should be deposited within five days from the date of issue of letter of acceptance of supply order in the form of demand draft or bank guarantee from a nationalised bank. The period of security Deposits will be equal to warranty period from the date of satisfactory commissioning of the system and other articles.
- 21)** On acceptance of security Deposit or bank guarantee the detailed purchase order will be issued and party has to enter into an agreement with department within seven days of the supply order. The Draft agreement shall be provided by the department.

- 22) Schedule of supply: -The complete supply is to be done within 15 days from the date of issue of detailed supply order. The quantities mentioned are indicative. The actual requirements may increase or decrease at the time of purchase.
- 23) Late delivery charges: - For every week of delay in supplying, installation, commissioning and making over schedule, the compensation at minimum 0.5 percent of value of the goods remaining to be supplied after due date limited to maximum 10% of the estimated cost shall be charged, at the discretion of Director General of Police.
- 24) The parts under warrantee should be replaced within 24 hours.
- 25) Installation, Commissioning and testing etc. will be done by the tenderer and instruction booklets regarding installation should be given separately.
- 26) Any omission in furnishing the details required in the statement of compliance will lead to rejection of the tender.
- 27) Any dispute of differences of whatever nature arising between the parties out of or relating to the conclusion, meaning and operation for effect of this contract or the breach thereof shall be settled by arbitration in accordance with the Rules of Arbitration and the award made in pursuance thereof shall be final and binding on the parties.
- 28) **Force Majure** ; If any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by reason of any war, hostility, acts of the public enemy, Civil commotion, sabotage fires, floods, explosions, epidemics,

quarantine restriction, strikes, lockouts or act of GOD (hereinafter referred to as events) provided notice of happenings, of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any such claim for damages against the other in respect of such non-performance or delay in performance, and deliveries under the contract shall be resumed as soon as practicable after such event may come to an end or cease to exist, and the decision of the Government as to whether the deliveries have been so resumed or not shall be final and conclusive, provided further

that if the performance, in whole or part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days either party may, at its option, terminate the contract. Provided also that if the contract is terminated under this clause, Government shall be at liberty to take over from the tenderer at a price to be fixed by Government which shall be final, all unused, undamaged and acceptable materials, bought out components and stores in the course of manufacture in possession of the tenderer at the time of such termination of such portions thereof as Government may deem fit excepting such materials bought out components and stores as tenderer may with the concurrence of Government elect to retain.

- 29)** The purchaser reserves the right to disqualify such bidders who have a record of not meeting the contractual obligations against earlier contracts entered into with the purchaser.
- 30)** Bank Commission towards drawal of bank draft relating to the payment of bill shall be deducted/adjusted from the payment due. Stores/equipments will be accepted only if found satisfactory after equipments/Items offered will be demonstrated by supplier & inspected by Police Headquarter, Panaji, Goa and will be further subjected to test fire at Goa Police Firing range at Mauliguem Bicholim at the cost of Tenderer. Test fire Bullet proof Jacket and bullet proof Patka will be retained by the Department.
- 31)** Rates should be quoted per 'UNIT' as specified in the schedule. Non-compliance will render the tender liable for rejection.
- 32)** In the event of an order being placed with against the tender and failure to supply equipments in accordance with the terms and conditions of acceptance of Tender or to replace any stores rejected by this office or any person on his behalf within such time as may be stipulated, the Director General of Police, Goa shall be entitled to purchase from elsewhere without notice to the tenderer on the account, such equipments from any other source and at such price as the Director General of Police, Goa shall in the sole discretion think fit and if such price shall exceed the rate set out in the schedule to Acceptance of tender the tenderer shall be responsible to pay the difference between the price at which such equipments have been purchased by

the Director General of Police, Goa and the price calculated at the rate set out in the schedule

**33) Extension of time:**

- a) As soon as it is apparent that contract dates cannot be adhered to, an application shall be sent to the Director General of Police, Goa for the required extension of time limit.
- b) Without prejudice to the foregoing rights if such failure to deliver in proper time as aforesaid shall have arisen from any cause which the Director General of Police, Goa may admit as reasonable ground for 'Extension of Time' (and decision shall be final) and he may allow such additional time as he considers to be justified by the circumstances of the case.
- c) Provided always that any failure or delay on the part of such contractors though their employment may have been sanctioned shall not be admitted as a reasonable ground for any extension of time or from exempting the tenderer from any liability for any such loss or damage as aforesaid and provided further no extension shall unless application for it shall in the opinion of the Director General of Police, Goa. (Which shall be final) have been made in his opinion is justified.

**34)** The terms and conditions that appear in printed, cyclostyled or in any other form on the covering letter accompanying the tender will not be taken notice of for consideration.



### **The Technical Bid should have following items:**

- a) Copy of the receipt towards the payment of tender documents. In case of obtaining the details from website, the D.D. of Rs.1,000/- in the prescribed manner, should be deposited alongwith the technical bid.
- b) Earnest Money Deposit in the form of Demand Draft drawn on any Nationalised Bank, Panaji Branch in favour of Director General of Police, Panaji.
- c) Income Tax clearance Certificate and Sales Tax Clearance Certificate.
- d) Registration of the Firms/Authorised Dealership.
- e) Documentary evidence of capacity to manufacture/import and supply within specified time.
- f) Specification of each items quoted along with the literature /brochures, if any.
- g) List of the Government/Semi Government Organisation to whom the products are supplied by the tenderer and the certificate of satisfactory supply by him and the certificate of satisfactory supply and performance.
- h) Authority for exemption of furnishing of E.M.D if the tenderer is claiming exemption from the payment of E.M.D.
- i) Name and address of the authorised and full-fledged Service Centre capable to attend faults including major complaints and all spare parts.

**The Financial Bid should contain the following:**

- a. It should contain details of each item and the rates quoted for each unit.
  - b. Taxes if any or clearly specify that the rates are inclusive of taxes.
  - c. Delivery period.
  - d. The items should be listed and the rates quoted in the same serial order as in the tender documents.
- 42)** The agreement, which will be submitted by the tenderer is subject to vetting by Law Department of Government of Goa and additions, alterations, suggested, if any, shall be incorporated in form of a new agreement.
- 43)** The Tenderer shall guarantee regular and timely supply for a period of three years of all the spare parts required for the normal working of the machinery tendered for.

**Terms & Conditions as specified above are accepted by me/us.**

**SIGNATURE & STAMP OF TENDERER**

**A N N E X U R E**

<b>Sr.No.</b>	<b>Description of Equipments</b>	<b>Qty.</b>	<b>Rate.</b>	<b>Amount</b>
01.	<b>Bullet proof Jacket &amp; Bullet Proof Patka</b>	200 Nos.		
<b>TOTAL</b>				

**C O N S E N T**

I / We hereby state that we have read, understood and agree to all the terms and conditions stipulated in the tender notice, before offering our rates for the items quoted herein.

Signature of the tenderer :  
Name & complete address,  
With contact number

Panaji:  
Date :

## **SPECIFICATION FOR BULLET PROOF JACKETS**

### **DESIGN PARAMETERS FOR BP JACKETS**

(A) Shall conform to National Institute of Justice, USA standard of Ballistic Resistance of Personal Body Armour (NIJ Standard-0101.04 updated revision 'A' & 'B').

(B) Projection against all of the following weapons :

1. 9mm bullet fired through Sten Machine Carbine from a distance of 5 meters.
2. 12 bore shot (solid slug) fired through full length shotgun from a distance of 10 meters.
3. 7.62 mm bullet NATO ball ammunitions fired through 7.62mm SLR from a distance of 10 meters and
4. 7.62mm mild steel core bullet fired through AK series rifles from a distance of 10 meters.

(C) Each Component of vest should be made of multi layers of same material. Each layer be in single piece and of equal shape and size to maintain uniform.

(D) **SIZES OF SOFT ARMOUR PANEL (SAP):** Standard and large.

(E) **WEIGHT OF THE JACKET :** Total weight of BP Jacket including HAPs, SAPs, trauma pads and outer carrier should not exceed 7.5 kgs and should be comfortable to wear without any hindrance to the movement of the user.

(F) **SIZE OF HARD ARMOUR PANEL :** Should be sufficient to cover all vital organs of the users.

(G) Shall consist of an outer carrier, removable Soft Armour Panels of aramid Fibre and two High Performance Plates.

(H) **BP JACKET – CONSTRUCTION :**

- (a) 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.
- (b) Shall be light weight and comfortable providing optimum mobility and Speed.
- (c) Adjustable at the shoulders, waist and groin with appropriate fasteners (Velcro's). An adjustable nylon belt should be provided with locking of jacket with Velcro.
- (d) The vendor has to declared the type of materials, number of layers and their areal density in technical bid of tender and they have to maintain the same in bulk supply.
- (e) SAP should be encased in polyurethane coated materials so as to make it water proof.

(f) **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.

(g) **POCKET WITH FLAPS**

The jacket should be provided with two external pockets in outer carrier to house two magazines of 5.56mm INSAS in each pocket. Two pockets should also be provided to accommodate one grenade (HE36) in each pocket.

(h) **BELT/KAMARBANDH**

An additional belt of nylon/polyester weaving with minimum width of 10cm 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.

(i) 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.

(j) Ballistic panels (SAPs & HAPs) shall be removable from outer carrier

(k) Outer carrier shall be machine washable.

(l) **TRAUMA PAD FOR TRAUMA ATTENUATION**

- 1) Trauma pad must be provided behind the SAPs, so that it remains to body surface to provide proper cushioning.
- 2) It must cover uniformly upto edge level of the SAPs.
- 3) Trauma pad will be made of “Non-woven 100% polyester synthetic wadding.

## **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 eater, fire (fire retardant) and ultra violet ray's exposure
- The fabric must be suitable to wear in the Indian conditions of heat, rain and humidity.
- The inner cover (body side) shall also be of similar fabric and shall be treated for moisture and water repellency.
- The cloth of the carrier must be pre-shrunk before stitching.

## **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**

CAMOFLOUG: 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 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 Calibre, bullet weight and velocity.
- Shall protect both front and back torsos.
- Shall be made of 100% Aramid air entangled fiber.
- Shall be balanced plain weave fabric to maximize 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 should 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 from 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 minimum 12.5 + 0.5 mm.

## **HARD ARMOUR PLATE (HAP)**

- Shall be made of high performance polyethylene fiber/thermo bounded steel with rust proofing coating.
- Shall provide NIJ threat level III protection against fire of 7.62mm SLR and 7.62 mm AK Rifles fire from a distance of 10 meters in conjunction with Soft Armour Panel.
- Shall be of size minimum size 305mm x 245 mm 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	:	Full upper torso protection.
SERVICEABILITY	:	10 YEARS (HAP,SAP & trauma pad)
GUARANTEE	:	The Outer Carrier alongwith trauma padding shall be guaranteed for a period of 2 years against all manufacturing defect.
OPERINTING 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 fired from 7.62MM SLR from a distance of 10 meters at zero angle of incidence.
  - Six bullets (mild steel core) fired from 7.62mm of AK rifle from a distance of 10 mtrs. At zero angle of incidence on separate plates.
  - It should stop the single shot (rigle slug) fired centrally on HAP through 12 bore full length shot gun.
- (b) **Soft Armour Plates :**
- Six shots fired through 9 mm Sten Machine Carbine from a distance of 5 meters.

## **Testing Criteria :-**

- Scientific inspection/ballistic trial of these BP jackets will be conducted as per NIJ standard 0101-04 using following firearms:-
  1. 7.62 mm SLR
  2. 7.62 AK 47
  3. (mm SAF Carbine
  4. 9 mm Glock Pistol
  5. 0.38 service revolver.
- All the testing shall at the cost of tenderer with the samples provided by them.
- After the entire stock of Bullet proof jackets is supplied by the successful tenderer to PHQ, store Altinho, Panaji Goa additional test firing shall be carried out in the similar manner as above by selecting a piece randomly from within the supplied Bullet proof jackets.
- In case the randomly selected B. P. Jacket fails the test firing, the entire lot of B. P. Jacket shall be rejected.

## Specification for Bullet Proof Patka

A.	<p>Bullet Proof Patka to provide protection against AK-47 (7.62mm x 39mm) from a distance of 25 meters from front side and against threat of 9 mm Pistol from a distance of 10 meters from rear side.</p> <p>Tenderer will clearly mention Size, Thickness, Make, Weight of BP Steel plates.</p> <table border="1" style="width: 100%;"><tr><td style="width: 20%;">Material</td><td>Bullet proof steel used for fabrication should be duly approved by the DGQA, Ministry of Defence.  <b>Authenticated copy issued by the DGQA should be furnished with the tender offer (Technical Bid)</b></td></tr></table> <p><b><u>Harness:</u></b></p> <ul style="list-style-type: none"><li>• Harness should be washable.</li><li>• It does not impede the movement of the wearer in carrying out his functions.</li><li>• The material is breathable.</li><li>• It does not have an ill effect on the head of a wearer.</li><li>• Bullet proof patkas's steel ring has anti rust and moisture proof coating</li><li>• It provides protection against direct hits/splinters.</li><li>• It is provided to absorb shock.</li><li>• It has balance strapping system.</li><li>• Providing eye lets on top for ventilation purpose.</li></ul>	Material	Bullet proof steel used for fabrication should be duly approved by the DGQA, Ministry of Defence.  <b>Authenticated copy issued by the DGQA should be furnished with the tender offer (Technical Bid)</b>
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### NOTE

- The design should be such that it should not cause any fatigue or headache during protecting use.
- The design should ensure stability and firemen with aiming to weapon both in laying and crouching positing.
- Trauma pads should be provided to absorb shock/trauma in event of a bullet hit.
- The harness on the cover of the patka should be of camouflage colour. The sample of which is to be got approved before supply.
- The chin strap and the rear strap should ensure perfect head grip.
- The ballistic material used should be thermo boarded to rust and moisture proof coated steel with Kevlar /Aramaic lining.