

**GOVERNMENT OF GOA
POLICE DEPARTMENT**

eTender No. 01- SP/TRG/PAN/2016

Dated: 11/07/2016

**TENDER NOTICE
(e-Tendering mode only)**

The Director General of Police, Goa on behalf of Governor of Goa, invites e-tenders **(Two Bid Systems)** supply of **RIOT CONTROL EQUIPMENTS** from the manufacturers:

Sl.No.	Name of Items	EMD	Cost of Tender	Tender processing fee
			NON - REFUNDABLE	
Mode of Payment : ePayment only				
1.	RIOT CONTROL EQUIPMENTS (1) 1000 Nos. Body Protectors Full, (2) 1000 Nos. Polycarbonate Shields, (3) 1000 Nos. Helmets, (4) 1000 Nos. Polycarbonate Lathis	`1,00,000/-	`1,500/-	`4,000/-

TENDER SCHEDULE

1. The last date of online submission of tender is **16/08/2016 upto 12.00 hrs.**
2. The date & time of opening of online Technical Bid tender is **17/08/2016 after 12.00 hrs** in the Conference Hall, at PHQ, Panaji-Goa.
3. The date & time of opening of commercial bids will be communicated later.

The online application should accompany the following Bid documents uploaded through the website **www.tenderwizard.com/GOA** on the following documentation and payments; **(Scan and Upload) :**

- a) Attested copy of Registration certificate of the company/firm.
- b) Attested copy of PAN Card
- c) Attested copy of Partnership deed in case of partnership firm
- d) Attested copy of Sales Tax/VAT registration certificate.
- e) Attested copy of the valid Income Tax Clearance Certificate
- f) Business name and describe whether the tendering firm is manufacturer/authorized Agent.
- g) Complete description of the product in technical detail as specified by the manufacturers.
- h) Tenderer shall produce Authorization letter from the Manufacturer/company in respect of the Brand /make that shall be quoted by them.
- i) Catalogue & supporting documents.
- j) List of Organisations/Government Departments in Goa, to whom such items have been supplied in the recent past. (Copies of supply orders may be enclosed).

a. Mode of Payment towards Tender Document Fee(TDF), Tender Processing Fee(TPF) & Earnest Money Deposit(EMD) to be paid online through e-Payment mode via :

- i. National Electronic Fund Transfer (NEFT) / Real-Time Gross Settlement RTGS) / Axis Bank Over-the-counter (OTC). Tenderer requires download pre-printed Challan towards credit of ITG available on e-tender website and make its payment through any of their Bank.**
- ii. Internet Payment Gateway (Debit/ Credit Card of type VISA, MATERCARD or RuPay.**
- iii. Net Banking: Payment can be made through the Internet Banking of Any Bank.**

Note: Any Payments made through NEFT/RTGS/OTC will take 24 hours for its reconciliation. Hence the payments through NEFT/RTGS/OTC should be made at least TWO BANK WORKING DAYS in advance before any due date and upload the scanned copy of challans in the e-Tender website as a token of payment.

The decision of the Director General of Police, Panaji-Goa, for purpose of Eligibility & Technical Qualification / Commercial Bid shall be final and binding to all the tenderers/bidders.

For any further clarifications, the Office of the Joint Director of Accounts, DGP's Office Panaji, Goa may be contacted and for any technical queries/clarifications/assistance regarding participation may contact e-tender support staff Mr. Rajesh - 8554878738, Mr. Dilip - 8888636107, Mr. Kiran - 8600651553 and Mr. Nihal - 7719080006.

The tender documents consisting of the set of terms and conditions of contract to be complied with and other necessary documents can be seen from website.

For details and specifications of tender notice, terms and conditions, and for participation please visit our website : www.tenderwizard.com/GOA

The Director General of Police, Goa reserves the right to reject any or all tenders without assigning any reasons thereof.

**Sd/-
Superintendent of Police, (Training),
Panaji-Goa.**

GOVERNMENT OF GOA
POLICE DEPARTMENT

No. 01 - SP/TRG/PAN/2016

Tender for supply of :- (1) 1000 Nos. Body Proctor full (2) 1000 Nos. Poly Carbonate Shields, (3) 1000 Nos. Helmets, (4) 1000 Nos. Polycarbonate Lathis.

Last date of receipt of Tender: **16/08/2016 up to 12:00 hrs.**

Date of Opening: **17/08/2016 up to 12:00 hrs**

(Date of opening of Commercial Bids will be informed separately)

Terms and Conditions of Tender

Tender for the supply of (1) 1000 Nos. Body Proctor full (2) 1000 Nos. Poly Carbonate Shields, (3) 1000 Nos. Helmets, (4) 1000 Nos. Polycarbonate Lathis are invited by the Goa Police Department, as per the specifications given at Annexure-I to Annexure- IV appended hereto from the approved manufacturer only.

- (1) The tenders are required to be submitted through E-Tendering mode only via the website www.etender.goa.gov.in .
- (2) The tenders received only up to 12:00 hrs on 16/08/2016 will be accepted. Tenders received after due date and time shall not be considered. The Tenders received within the due date will be opened at 12:00 hrs. on 17/08/2016 in the presence of, Tender Committee, the tenderers or their authorized representatives present, if any, at Police Headquarters, Panaji, Goa.
- (3) The tenderers should give their full name and address and contact number. In case of a company or partnership firm, the name of the Directors and Partners, as the case may be and other details should be attached separately.
- (4) Tenders should contain the following documents:-
 - (i) Authority for exemption from submission of Earnest Money Deposit (EMD), if the tenderer is claiming exemption from payment of EMD;
 - (ii) The valid Income Tax Clearance Certificate and Sales Tax/Value Added Tax Clearance Certificate;
 - (iii) The detailed specifications of the **(1) 1000 Nos. Body Proctor full (2) 1000 Nos. Poly Carbonate Shields, (3) 1000 Nos. Helmets, (4) 1000 Nos. Polycarbonate Lathis .**
 - (iv) List of Organisations/Government Departments in Goa, to whom such system/items have been supplied lately. (Copies of supply orders may be enclosed);
 - (v) The terms and conditions duly signed, for having agreed to and abide by the same.
- (5) If the tenderer fails to submit the required documents as above, his tender is liable to be rejected at the discretion of the Director General of Police, Panaji, Goa.
- (1) Mode of Payment towards Cost of the Tender Document (Non refundable), EMD & Tender Processing Fee (Non-refundable), To be paid online through e-payment mode via NEFT/RTGS/OTC/debit card/credit card facility/net banking with pre-

printed challans available on e-tendering website and directly credit the amount to ITG account as generated by challans for NEFT/RTGD/OTC.

- (i) If the tenderer fails to submit the required documents as above, his tender is liable to be rejected at the discretion of the Director General of Police, Panaji-Goa
 - (ii) Tenders should be accompanied by lumpsum Earnest Money Deposit of Rs. 1,00,000/- (Rupees One Lakhs Only) **Mode of Payment: e-payment only.** The EMD shall be forfeited if the tenderer fails to accept the supply order and or to execute necessary agreement for the supply of the above items. The tender without EMD shall be summarily rejected. EMD of the successful tenderer shall be adjusted against the security deposit retained during warranty period of one year and will not attract any interest while in the custody of the department.
- (6) Following categories of manufacturers/suppliers are exempted from payment of Earnest Money Deposit :-
- i. Government and Semi Government undertakings;
 - ii. Small Scale Industries (SSI) units permanently registered with the Director of Industries, Goa, for the items that are manufactured by them. (copy to be enclosed).
 - iii. SSI units registered with NSIC located anywhere in the country for the items manufactured are made available by them, for the supplies.
 - iv. The Manufacturers/Suppliers claiming exemption from payment of EMD shall produce the necessary Registration Certificate from the appropriate authority.
- (7) Tenders received without the copies of Income Tax and Sales Tax/Value Added Tax Clearance certificates issued by the concerned authorities are liable to be rejected.
- (8) Any scorings, erasures, corrections, overwriting etc. on the tender form shall be duly authenticated by the tenderer by his full signature and by affixing a rubber stamp.
- (9) Rates of each item shall be quoted separately. Sale Tax/Value Added Tax, Excise duty, Transportation/freight/ handling/forwarding charges, etc. shall be indicated separately.
- (10) The tender shall be strictly as per the specifications given in 'Annexure-I to Annexure -V. Extra charges if any shall be quoted separately.
- (11) Certificate from the authorised Laboratory or Government Agency, certifying Improved consistency in thickness may be enclosed.
- (12) The tender papers shall be signed by the tenderer or any person duly authorised by the tenderer, under proper seal, which shall indicate in what capacity he is signing the tender documents. The tenderer shall also submit a "Power of Attorney" or any other document made in favour of the person signing the documents.
- (13) Rates quoted shall be valid at least for six months from the date of acceptance of the tender by the Government.
- (14) The materials/articles and their accessories, if any, shall be insured by the tenderer at his own cost to ensure safe delivery of the same so that the consignee is not responsible for any loss/damage thereto in the transit.
- (15) The equipment supplied by the successful tenderer shall have a guarantee of two years from the date of its supply.

- (16) If the items supplied are found to be of sub-standard quality and not according to the specifications or sample approved by the Department, the same shall be liable to be rejected besides having liability of liquidated damages.
- (17) The tender fee shall not be refundable and the tender form shall not be transferable.
- (18) The Director General of Police reserves the right to accept or reject any tender in part or in whole without assigning any reasons thereof and his decision on the dispute in any way touching or concerning the tender shall be final and finding.
- (19) In case of acceptance of tender, the EMD of the successful tenderer shall be converted into security deposit. The security deposit shall not carry any interest and the same shall be retained till the expiry of the guarantee/warranty period which shall be limited to 10% of the actual cost of the equipments supplied.
- (20) On acceptance of the tender, the detailed supply order will be issued to the successful tenderer and the successful tenderer shall enter into an agreement with the Department within seven days from the date of receipt of such order. The Draft agreement will be provided by the Department and the Stamp Duty thereon shall be borne by the Supplier.
- (21) The complete supply is to be done within 30 days from the date of issue of supply order, however, the Director General of Police reserves right to extend the time for supply of equipments. The quantities mentioned are indicative. The actual requirements may increase or decrease at the time of purchase subject to availability of funds.
- (22) In case of failure on the part of the successful tenderer to supply the equipment within the stipulated time, it shall be liable to pay liquidated damages at the rate of 0.5% of the value of the equipment which remains to be supplied, for each day of delay, limited to maximum 10% of the estimated cost shall be charged at the discretion of Director General of Police, Panaji.
- (23) Any omission in furnishing the details in the specifications shall lead to rejection of the tender.
- (24) The Department reserves the right to disqualify such bidders who have a record of not meeting the contractual obligations against earlier contracts entered into with the Department.
- (25) The equipments will be accepted only if found as per the specifications stipulated in the tender after inspection. Equipment shall be offered for inspection in one lot and in open condition, if required by the Department and the same shall be repacked in such a manner so as to be suitable for transport without any extra cost.
- (26) Rates should be quoted per 'UNIT' as specified in 'Annexure-I' to Annexure -IV appended hereto. Non-compliance will render the tender liable for rejection.
- (27) In the event if the supply order being placed and the successful tenderer fails to supply equipments in accordance with the terms and conditions of Tender or to replace any equipments rejected by this office, within such time as may be stipulated, the Director General of Police, Goa, shall be entitled to purchase such equipments without any notice to the successful tenderer, from any other source and if such price exceeds the rates as quoted by the successful tenderer, then the successful tenderer shall be solely 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 rates quoted by the successful tenderer

- (28) The terms and conditions that appear in printed, cyclostyled or in any other form on the covering letter accompanying the tender shall not be taken into consideration.
- (29) The tenderer shall disclose the quality, number and name of the manufacturer whose products are offered.
- (30) Sales Tax/Value Added Tax, Turn over Tax, Central Sales Tax, and Excise duty shall be clearly stated.
- (31) Vague and conditional offer /tender shall not be considered.
- (32) Tender will be rejected during preliminary scrutiny if it is not accompanied by complete technical data, literature, pamphlet for all the items quoted.
- (33) 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 equipment tendered for.
- (34) In the event of any dispute or difference arising out of or in any way relating to or concerning these presents or effects of these presents, the same shall be referred to the Sole Arbitration of a person to be appointed by the Special Secretary to the Government of Goa, Home Department. The successful tenderer shall not raise any objection to such appointment on the ground that such Sole Arbitrator is a Government Servant or that in the course of his duties as such Government Servant he had expressed views on all or any of the matters in dispute or difference. In the event of such Arbitrator being transferred or vacates his office or refuses or is unable to act as such for any reason whatsoever, it shall be open to the Secretary to the Government of Goa, Home Department, to appoint another person in his place. The Arbitrator so appointed shall be entitled to proceed with the reference from the stage at which it was pending. The Arbitrator may, with the consent of both parties to these presents, extend the time for making the award. The award of the Arbitrator shall be final and binding on the parties to these presents. Save as aforesaid, the Arbitration and Conciliation Act, 1996 (Central Act 26 of 1996) and the rules made there under shall apply to the Arbitration proceedings under this clause.
- (35) The Tenderer has to demonstrate their equipments by their own cost if desired by the Department.
- (36) The Department reserves the right to add, amend or omit any of the above terms and conditions at the time of signing of the Agreement.
- (37) Bids of the Tender for supply of Riot Control Equipment are called from the Manufacturers only.
- (38) The manufacturer has to give a declaration that he is the manufacturer of the said items.
- (39) The tenders bid shall be submitted in two separate envelopes one containing

i) Technical Bid and other ii) Financial Bid.

The Technical Bid shall consists of the following :

- (a) Earnest Money Deposit for Rs. 1, 00,000/-
- (b) Income Tax clearance Certificate and Sales Tax/Value Added Tax Clearance Certificate.
- (c) Certificate of the registration of the Firms, Deed of Partnership, in case of firm/Manufacturer.

- (d) Certificates of Incorporation and Memorandum and Articles of Association, in case of Company.
- (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 and the 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) Technical bid will be accompanied with samples of each item duly certified with manufacturers name and identity.
- (j) Name and address of the authorised and full-fledged Service Centre capable to attend faults including major complaints and all spare parts.
- (k) Certificate that he is the manufacturer of said products.

The Financial Bid shall contain the following:

- (a) 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) The items should be listed and the rates quoted in the same serial order as in the tender documents.

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

SIGNATURE & STAMP OF TENDERER

Name : _____

Contact Number Mob. _____

Landline Number: _____

E-mail: _____

A N N E X U R E

Sr.No.	Description of Equipments	Qty.	Rate.	Amount
1.	Body protectors full (Annexure – I)	1000		
2.	Polycarbonate shield (Annexure – II)	1000		
3.	Riot Control Helmet with P.C. Visor (Annexure – III)	1000		
4.	Polycarbonate Lathis (Annexure – IV)	1000		
TOTAL				

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 and Complete Address: _____

Contact Number Mob. _____

Landline Number: _____

E-mail: _____

Panaji:

Date :

A N N E X U R E - I

1. Equipment Name :-Body Protector Full :-

Material :- Cloth Jackets of fire retardant drill cloth in required colour and required camouflage pattern.

Colour :- As required-plan/ disruptive/ camouflage pattern.

Weight :- 5.950 kg \pm 10%

Size :- Small/ Large/ Extra Large (the description is given here for large size)

Properties

- Physical protection against brick batting cane/knife/acid attack, Molotov cocktails and projectiles encountered in Riot situation and other policing functions.
- Special fire retardant , high impact resistance rubber inserts.
- Protective sheets for front and back pouches with trauma pads.
- Sweat absorbing mesh fabric (detachable & washable) in-lined elbow and shin guards ergonomically formed to protect limbs during riot/mob situation.
- Impact attenuation (reduction) above 80%.
- Ergonomic design for maximum wearing comfort.
- Thoroughly tested by leading NABL laboratories engaged in research in physiology and bio-engineering with certificate to that effect.
- Design ensures restraint free movement long shelf, light wt. with excellent protection capability.

1. Chest Protector (40 cm \pm 10%)

- a. Upto 4.5 mm \pm 10% thick poly foam.
- b. Inner lining made of mesh fabric (detachable & washable) with sweat absorbing lining 2 mm \pm 10% thick foam with specified (16-22) shore a hardness and engineered plastic certified from a NABL lab.
- c. Weight- less than 3.00 kg.
- d. Material – high quality unbreakable engineered plastic for font and back pouches with trauma pads.
- e. High impact resistant rubber insert to absorb trauma.
- f. All sandwiches paddings os soft plastic with EVA (Ethylene and vinyl Acetylene based Polymer) foam or any other technically better test proven material, should have number of small holes for free movement of air.
- g. Inter stichable so as to remain in place and not slip.

2. Elbow Pad (length- 37cm ± 10%)

- a. Made of soft engineered plastic.
- b. Velcro closure.
- c. EVA (Ethylene and vinyl Acetylene based Polymer) Poly foam of minimum specified hardness. Engineered plastic with matt surface of 2.5mm ± 10% thickness.
- d. Mesh fabric poly foam of upto 4mm ± 10% specified hardness.
- e. Should be able to withstand impact from one meter on hard surface.
- f. Inter stichable so as to remain in place and not slip.
- g. All sandwiches paddings os soft plastic with EVA (Ethylene and vinyl Acetylene based Polymer) foam or any other technically better test proven material, should have number of small holes for free movement of air.
- h. The fabric should be detachable & washable.

3. Shin Guard (length- 55 cm ± 10%)

- a. Made of soft engineered plastic or any other NABL proven superior material.
- b. Elastic stripes for easy wearing.
- c. Velcro closure.
- d. Sweat absorbing mesh fabric poly foam 10mm ± 10% hardness.
- e. Inter stichable so as to remain in place and not slip.
- f. All sandwiches paddings os soft plastic with EVA (Ethylene and vinyl Acetylene based Polymer) foam or any other technically better test proven material, should have number of small holes for free movement of air.
- g. The fabric should be detachable & washable.

4. Upper Arm

- a. High protection engineered soft plastic or any other NABL proven superior material with sweat absorbing mesh fabric (detachable & washable) inner protection with unique flexible design for optimum movement, fit and comfort suitable to human body parts shape.
- b. Velcro fixed.
- c. Inter stichable so as to remain in place and not slip
- d. All sandwiches paddings os soft plastic with EVA (Ethylene and vinyl Acetylene based Polymer) foam or any other technically better test proven material, should have number of small holes for free movement of air.

5. Shoulder Pad (15cm ± 10%)

- a. Velcro fixed.
- b. High protection engineered soft plastic or any other NABL proven superior material with a unique flexible design for optimum movement, fit and comfort.
- c. Poly foam (preferably 3mm thickness) with specified (35-40) shore a hardness and black mesh fabric that covers the chest and back.
- d. High protection engineered soft plastic with shock absorbing EVA Polyfoam cushioning the shoulder.
- e. Inner lining made of mesh sweat absorbing fabric (detachable & washable).
- f. inter stichable so as to remain in place and not slip.
- g. All sandwiches paddings os soft plastic with EVA (Ethylene and vinyl Acetylene based Polymer) foam or any other technically better test proven material, should have number of small holes for free movement of air.

6. Groin

- a. section has an outer shock absorbing sweat absorbing mesh fabric (detachable & washable) padding (plastic/EVA/poly foam) along with hard shell cap or any other NABL proven superior material.
- b. The protection attachment should cover the groin area from all ricocheted projectiles and allow a comfortable sitting.
- c. Inter stichable so as to remain in place and not slip.
- d. All sandwiches paddings of soft plastic with EVA (Ethylene and vinyl Acetylene based Polymer) foam or any other technically better test proven material, should have number of small holes for free movement of air.

7. Forearm & Elbow Guard (37 cm ± 10%)

- a. High protection engineered soft plastic outer shell or any other NABL proven superior material should provide flexibility required for forearm and elbow.
- b. Shock absorbing poly foam with minimum specified (maximum 5mm) thickness and black mesh (detachable & washable fabric) lining which offers comfort and breathability.
- c. Adjustable straps fastening with durable elastic and Velcro.
- d. High protection engineered soft plastic of minimum specified standard thickness (preferably 2.5-3.5mm) so that it does not lose its flexibility with higher padding or any other NABL proven superior material.
- e. Inter stichable so as to remain in place and not slip.

- f. All sandwiches paddings os soft plastic with EVA (Ethylene and vinyl Acetylene based Polymer) foam or any other technically better test proven material, should have number of small holes for free movement of air.

8. Thigh Guard (44cm ± 10%)

- a. Thigh guard must be supported by kamarbandh to avoid slippage while running and during movement.
- b. High protection engineered unbreakable plastic of 2.5 to 04 mm thickness on thigh section.
- c. EVA (Ethylene and vinyl Acetylene based Polymer) foam or any other technically better test proven material with minimum 4.5mm thickness and mesh lining (detachable & washable fabric) for comfort and breathability.
- d. Adjustable straps fastening with durable elastic and Velcro.
- e. Length :- $146.5 \pm 10\%$
- f. Inter stichable so as to remain in place and not slip. A fire retardant drill cloth (detachable & washable fabric) jacket with fire retardant and polycarbonate inserts in front and back pouches. Two shin guard having high resistant unbreakable plastic inserts.
- g. All sandwiches paddings of soft plastic with EVA (Ethylene and vinyl Acetylene based Polymer) foam or any other technically better test proven material, should have number of small holes for free movement of air.

A N N E X U R E – II

2. Equipment Name :- Polycarbonate Shield

- Raw material : Engineering grade polycarbonate or any other technically proven superior material.

- Provided excellent protection against brick batting, stone pelting, Molotov cocktails, chains, acid, iron, rod/cane attack.
- Light wt. scratch proof, durable and transparent .
- Improved consistency in thickness and enhanced strength.
- Thick ribs all along the edges for higher structural strength.
- Vision area of shield so shaped as to avoid scratches during handling.
- Cushioned/comfortable arm rest for comfort and longevity.
- High impact resistance.

Technical Data

- Shape: Rectangular or any other proven better shape.
Length: 910mm to 1000mm
Weight: less than 3.4 kg
Breadth (flat): 580mm \pm 20mm or any other proven better shape.
Breadth Concave: 620mm \pm 10mm or any other proven better shape.
Thickness: 3.0mm \pm 0.5mm
- Material: transparent/ scratch proof.
- PC(polycarbonate) virgin grade, and not recycled.
- Edges well secured and covered by durable band/ elbows.
- Raw material : Engineering grade Polycarbonate.
- Provide complete protection against brick batting, stone pelting, iron rod/cane attack, Molotov cocktails, acids.
- Thick ribs all along the edges for higher structural strength
- Cushioned arm rest to provide comfort in long use i.e to have solid strap, handle and pad for better grip.
- High impact resistance.

A N N E X U R E – III

3. Equipment Name :-Polycarbonate Lathi

Features:

- Material : PC (Polycarbonate)
- Ultra Strong
- Scratch proof, Non-Corrosive, fire proof.
- Light wt.
- Transparent
- High impact resistance
- Long shelf life
- Straight/firm/collapsible feature may be preferred in light of new technology with ideal flexibility.

Technical features :-

- Length : 1 mt \pm 10mm
- Diameter : 2.5cm \pm 2mm
- Wall thickness : 4mm \pm 0.5mm
- Weight : 350gm \pm 25gm

Additional And Essential Features

Handgrip:-

- About 5”
- Round shaped
- Unbreakable (as required)
soft, shock absorbent, but firm grip for proper handling with soft cushioning.

Wrist Band – in the form of flexi 6” cotton/nylon/suitable fabric loop on the top of handgrip to enable proper security of the lath/cane.

Protective shoe/stud:- Bottom 2” of lathi plugged with ring shaped, firm, fire and water resistant fiber/rubber cap firmly/ permanently fixed.

Manufacturer's Supplier's written Submission regarding non-corrosion, scratch proofing, fire and water resistance be provided.

A N N E X U R E – IV

4 .Equipment Name Helmet

Colour – As required by the user :

- Glass reinforced plastic material/ or any other accredited test laboratory proven superior material.
- Design based on personal Armour System Ground Troops (PASGT)/ totally protective and comfortable to wear.
- Selectable, adjustable and comfortable.
- Snap fit and shatterproof, transparent polycarbonate visor fitted with ratched (openable) system.
- Provides excellent protection against projectiles, blunt hit encountered during riot situation.
- Inner fabric should be detachable & washable.
- Designed developed and ballistically tested by any National Accredited Laborator For Caliberation and Testing.

Wt:- less than 2.5 kg including all detachable items.

PC Visor

- a. 2.6mm to 4.5mm thickness, scratch proof/ scratch resistant.
- b. Movable, adjustable, detachable and comfortable.
- c. Anti-fog visor: 20 – 50 incline
- d. Light transmission rate of visor not less than 85%
- e. Attached metal net (detachable): wt less than 600gm
- f. Its life should be upto 50% visibility and not less than 02 year.

Shell

Material : ABS (anti buta-di-ene poly styrene)/ fiber reinforced plastic (FRP) or any other NABL proven superior material.

Round shape shell with comfortable interior cushion padding about 2 cm $\pm 10\%$ with breathe – holes for air circulation.

Adjustable and comfortable harness should be detachable & washable.

Top thickness : 5mm $\pm 10\%$

Side thickness : 04mm $\pm 10\%$

Weight : 1.60kg $\pm 10\%$

Ear Guard

PC/ ABS/ fiber reinforced plastic or any other NABL proven superior material with air circulation.

Side thickness : 3.5 mm $\pm 10\%$

Chin Strap

- Snug/ Snap/ Strip fit and quick release chin strap.
- Soft and comfortable on skin.

Miscellaneous

- a. Anti-bacterial cloth (treated) or any other NABL proven superior material should be used for inner lining, A certificate to this effect will be provided from a govt. accredited laboratory
- b. PE (poly Ethylene) inner layer against cutting and stabbing
- c. Quick release buckle
- d. Design based on personal Armour System Ground Troops. (PASGT)/**totally protective and comfortable to wear.**
- e. Side holes to make hearing easier and back holes for better ventilation.
- f. Provides excellent protection against projectiles encountered during RIOT situation with comfortable **sweat absorbing, Mesh Fabric** head padding **or any other NABL Proven superior material.**

Additional & Essential features: protection of neck – A semi – circular fire and water resistant pad to provide cover protection to sides of neck and back protection of cervical from stones and projectiles attack.

Neck curtain should be fire resistant fabric- artificial lather or EPF(**Expended Polythene Padding Foam**)/polyfoam that can avoid smell and fungal infection or any other NABL proven superior martial

Capable of protecting personnel against brick batting, stone pelting/ Molotov cocktails, acid bottles and cane attack etc.

Ventilation should be proper

Design to connect with ear/head phone and gas mask

Tested by leading NABL certified laboratory for its parameters, and material used in construction/ fabrication

Shatterproof, transparent PC visor, scratch resistant fitted with ratchet (openable) system

Rust proof metal pivot for opening and closing of visor.