

**GOVERNMENT OF ARUNACHAL PRADESH  
OFFICE OF THE DIRECTOR GENERAL OF POLICE  
POLICE HEADQUARTERS::ITANAGAR**

NO.PHQ (PROV)-20/2026-27

Dated Itanagar the, 27<sup>th</sup> Aug' 2026.

**TENDER NOTICE – CUM – TERMS AND CONDITIONS**

On behalf of the Governor of Arunachal Pradesh, the Director General of Police, Arunachal Pradesh invites Sealed Tender under two-bid system (Technical Bid & Financial Bid) from manufacturers, authorized agents, dealers, or suppliers of reputed firms for Supply of Anti-riot Equipments for Arunachal Pradesh Police during the year 2026-27. For details please visit our website-www. arunpol.nic.in.

**1. Description of items to be procured / Approx. Cost of tender / Earnest money required etc.:**

| SL No | Description of items to be procured                                                                                                                                     | Approx. Cost of tender         | Earnest money required | Tender Fee (Non-refundable)                                                                                                           |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1.    | Supply of Anti-riot Equipments for Arunachal Pradesh Police during the year 2026-27. Equipments/Items details along with specifications attached at <b>Annexure-A</b> . | <b>Rs.650.00/-<br/>(Lakhs)</b> | <b>Rs. 13,00,000/-</b> | Rs. 1,000/-<br>to be deposited<br>through egras<br>Portal of Govt. of<br>Arunachal Pradesh<br>in favour of AIGP<br>(E),PHQ, Itanagar. |

**2. Critical date sheet:**

| Sl. | Particulars                                             | Date                                                                                                                                                                                            | Time            |
|-----|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1   | Date of publication of Tender                           | <b>28/08/2026</b>                                                                                                                                                                               |                 |
| 2   | Bid submission start date                               | From the date of publication onward                                                                                                                                                             |                 |
| 3   | Bid submission end date                                 | <b>22/09/2026</b>                                                                                                                                                                               | <b>1100 hrs</b> |
| 4   | Submission of Tender fees<br>(cost of tender documents) | Tenderers who wish to obtain tender document from PHQ, Itanagar, must submit a copy of challan paid through the eGras Portal of Govt. of Arunachal Pradesh in favour of AIGP(E), PHQ, Itanagar. |                 |
| 5   | Date of Technical bid opening                           | <b>22/09/2026</b>                                                                                                                                                                               | <b>1130 hrs</b> |

**3. The Tender documents must be provided in two (02) covers:**

**4. Cover-1 (Technical BID):** It shall contain scanned copies of eligibility information as under:

- Tender Fee deposited receipt (paid through eGras Portal of Govt. of Arunachal Pradesh in favour of AIGP (E), PHQ, Itanagar under the Head of Account "0055-Police").
- Technical bid along with its specifications leaflet, brochure, catalogue / literature, if any, of each tendered item.
- Tender documents duly completed and signed but without any indication of the rates "Quoted".
- Earnest Money must be attached in the form of TDR / FDR / Demand Draft / NSC / KVP etc. from Nationalized Bank / Post offices duly pledged in favour of Asstt. Inspector General of Police (E),

PHQ, Itanagar. The firms registered under MSME are exempted for earnest money for the items mentioned in the MSME certificate. They must submit and attested copy of MSME registration certificate.

- (e) Copy of PAN Card (attested by Gazetted Officer).
- (f) Copy of firm registration (attested by Gazetted Officer).
- (g) Copy of firm GST registration (attested by Gazetted Officer).
- (h) Copy of Valid Trading license (attested by Gazetted Officer) issued by competent authority for the tendered items.
- (i) A copy of the current and valid Authorization Certificate/ Letter of Authority issued by the Original Manufacturer (OEM) for the tendered items.
- (j) Copy of Financially soundness certificate / Bank Solvency Certificate of current financial year.
- (k) Undertaking regarding non-blacklisting of the firm on non-judicial stamp paper of Rs.100/- by Notary or Magistrate.
- (l) All the tender papers must be serialized / numbered, and an index / checklist must be submitted at the beginning of the tender papers indicating the pages of the relevant documents. Tenders without index / checklist shall be summarily rejected.
- (m) A Separate Technical Compliance Statement against each tendered items should be enclosed along with the Technical Bid, clearly specifying any deviation for all specifications mentioned in the tender **Annexure- 'A'** on the firm's letterhead.
- (n) The rates should be quoted F.O.R (Freight on Road) up to Central Store, PHQ, Itanagar. The firm must write "Yes" in the checklist/index of technical bid.
- (o) **All tenderer must submit their samples in duplicate of each item tendered by them, of which one sample will be returned to the successful tenderers as counter sample duly approved by the Board.**

**5. Cover-2 (Financial BID):** It shall contain documents on "Financial Bid / Price Bid" only.

- (a) Rates must be written clearly in figures as well as in words, showing GST separately in Indian currency.
- (b) Offers with such stipulation like "as applicable" will be treated as vague and the bid may be rejected.
- (c) Financial Bid will be opened only for those bidders who have been declared technically qualified by the Technical/Specification Evaluation Board/Committee.
- (d) The date of opening of Financial Bid will be intimated to the firms found technically qualified.

**GENERAL INSTRUCTIONS:**

- 1. **Tenders accompanied with more than two varieties of samples and rates for each item shall not be entertained. Once the samples are approved, no change of shade, pattern or quality specification or alternative offer will be entertained.**
- 2. Tenderers may note that all disapproved samples submitted by them are returnable and should be collected by the tenderers within one month from the date of intimation from this office failing which the samples will be forfeited to the Government.



4. The tenders received after scheduled date & time will not be entertained. The tenderers or their representative may remain present at the time of opening of tenders to show original documents for cross verification, if required.
5. There should be no cutting or overwriting.
6. The Tenderer / Firm who fails to fulfill the eligibility conditions will be summarily rejected.
7. The Tenderer must clearly mention the origin/ manufacture of the equipment being supplied. In line with Government of India Policies order. Imported items should be declared and categorized appropriately.
8. Import Clearance Responsibilities related to customs clearance, import duties, logistics, and inland transportation shall be borne by the Indian distributor/ dealer.
9. The offered equipment and all related components must comply with relevant Indian statutory, safety and environmental regulations.
10. Firms must submit all documents (as mentioned in cover-1) including the EMD, cost of Tender documents, to the office of Assistant Inspector General of Police (E), Police Head Quarters, Itanagar, Arunachal Pradesh on or before **22/09/2026 at 1100 hrs**. The experience certificate (if any) must contain the name, designation, address, Phone No., Mail ID of issuing officer. The certificate should be countersigned by concerned OFFICE HEAD/DEPT. HEAD.
11. In case tender opening day is declared as holiday or bandh call at Itanagar, the tenders shall be received up to next working day till 1100 hrs and opened on the same day at 1130 hrs.
12. Rates must be written clearly in figures as well as in words, showing GST Separately.
13. The bidders should keep checking the website for any addendum / corrigendum to the notice/Bidding documents till the date of submission of bids and the bidder should incorporate the same in his bid documents.
14. Conditional bids and the bids not meeting the qualifying criteria on the date of receipt of bids shall be summarily rejected.
15. Before submission of bids, bidders must ensure that copies of all necessary documents have been attached with bid.
16. The department will not be responsible for delay in submission due to any reason(s).
17. All the required information for the bid must be filled and submitted.
18. The details of EMD and other documents specified in the tender documents should be same as submitted (scanned copies), otherwise tender will be summarily rejected.
19. **Conditions:** The goal of the project for procurement of Anti-Riot Equipments for Arunachal Pradesh Police during the year 2026-27 is to complete the supply of anti-riot equipments and to achieve full production operations within 90 days after contract award or as soon as technical feasible.
20. If the tenderer who fails to supply the material/ perform the task assigned to him in the purchase order, within the period prescribed for such delivery specified above, the AIGP (E), or other competent authority, shall be entitled at his discretion to the actions as under:  
  
Graded liquidated damages for delay in the delivery of all or any good or performance of services will be liable for:  
  - (i) For first 30 days @ 1% of the value of the goods.
  - (ii) For next 60 days @ 2% of the value of the goods.
  - (iii) For delay above 2 month/ over & up to 4 months @ 4% of the value of the goods.



(iv) Beyond 4 months and up to 6 months @5% of the value of the goods & on expiry of 6 months the contract would automatically get nullified and Security Money Deposit would be forfeited.

21. The tender papers containing full details with specifications and terms and conditions can be obtained from Provisioning Branch, PHQ Itanagar, on showing of Payment receipt of Rs. 1,000/- (Non-refundable) in favour of the Asstt. Inspector General of Police (E), PHQ, Itanagar, Arunachal Pradesh paid through egras Portal of Govt. of Arunachal Pradesh on any working day from 0930 hrs to 1600 hrs w.e.f **28/09/2026 to 21/09/2026**. The tender documents may also be downloaded from our website. The tenderers downloading the documents from website are also required to submit a copy of challan of Rs. 1,000/- as tender fees in favour of the Asstt. Inspector General of Police (E), PHQ, Itanagar, Arunachal Pradesh paid through egras Portal of Govt. of Arunachal Pradesh. No other mode of payment will be accepted.
22. The technical information provided with the references must demonstrate or support the capability of the proposed technology to satisfy the identification functionality and performance requirements of this solicitation tender.
23. Successful tenderers will be required to deposit 5% of the total value of the articles to be supplied as security money within 10 days from the date of issue of letter of acceptance of tender. The successful tenders will have to enter into a "DEED OF AGREEMENT" stipulating the Terms and Conditions of the contract.
24. Non fulfillment of any or all the Terms & Conditions of Contract, performance security deposit and EMD of the successful tenderer will be forfeiture and supply order issued to the firm shall be cancelled.
25. Tenders should be addressed to the undersigned by designation and not by name. The separate sealed envelope containing all the tender documents (i.e. two separate Covers (i) Technical Bids and (ii) Financial Bid should be subscribed as "**Tender for Supply of Anti-Riot equipments for Arunachal Pradesh Police during the year 2026-27**" and sent by Registered Post / Speed Post / Courier Service or put in the Tender Box kept in the office of the undersigned (Provisioning Branch) on any working day from 0930 hrs to 1600 hours. *The tenders received after scheduled date & time will not be entertained.*
26. Any breakage or loss of items will be at the supplier's risk.
27. Delivery of the stores will have to be completed within (90 days) from the date of issue of supply order. In case of failure to supply the items in time, violation of any provision of Deed of Agreement, the firm is liable to be blacklisted.
28. If any item is found damaged or otherwise unacceptable at the time of delivery/inspection, the supplier will be required to remove the same from Central Store, PHQ, Itanagar, and Arunachal Pradesh at their own cost within 15 days. The demonstration of the items shall be conducted at the time of acceptance by the Board of Officers. The items not found as per specifications shall be rejected.
29. Payment will be made to the supplier directly on completion of supplies / installation and after acceptance/ inspection by the Govt. constituted Board.
30. The Director General of Police, Arunachal Pradesh, Itanagar reserves the right to reject the lowest or all or any of the tenders without assigning any reason thereof.
31. The Director General of Police of Arunachal Pradesh, Itanagar shall have the right to ask the firms to demonstrate their items before the items are accepted.



32. List of equipments/items with description & specification is enclosed at Annexure- "A". The quantities mentioned in the enclosure are all approximation and subject to variation as per actual availability of funds.
33. Tender rates will remain valid up to 12 months from the date of publication of this tender.
34. All items to be supplied shall be under warranty of 01 (one) year or as mentioned in Annexure-A against each items/ equipments from the date of acceptance.
35. In case of any dispute, the legal jurisdiction will be at Itanagar, Arunachal Pradesh.
36. In case of any query, the tenderers may contact at following phone no./mail ID.

| Officers                                              | Telephone          | E-mail ID            |
|-------------------------------------------------------|--------------------|----------------------|
| Asstt. Inspector General of Police (E), PHQ, Itanagar | 9436040005(Mobile) | cc-polita-arn@nic.in |
| Dy.SP (Prov),PHQ, Itanagar                            | 7642821135(Mobile) | cc-polita-arn@nic.in |

**Note: In view of the Govt. policy of "Vocal for Local" and "Atma Nirbhar Bharat" to encourage local Entrepreneurs vide No. FIN/E-30/2017/675 dated 19/08/2020, the firm registered within Arunachal Pradesh can only participate in the tender process.**

  
 Asstt. Inspector General of Police (E)  
 Police Head Quarters, Itanagar  
 Arunachal Pradesh  
**Asstt. Inspector General of Police(E)**  
**Arunachal Pradesh**  
**Itanagar**

**Qualitative Requirements / Technical Specification for Anti-Riot Equipment for Arunachal Pradesh Police, During the year 2026-27.**

| <b>A. Riot Helmet with Mesh</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Quantity Required</b> |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 1                               | <b>Colour:</b> Olive Green                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>3000 Nos.</b>         |
| 2                               | Glass Reinforced plastic material/ <b>or any other Accredited test Laboratory proven superior material.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |
| 3                               | Design based on Personal Armour System Ground Troops (PASGT)/ <b>totally protective and comfortable to wear.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          |
| 4                               | Selectable, adjustable and comfortable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |
| 5                               | Snap fit and quick release chin strap.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |
| 6                               | Scratch proof, shatterproof, transparent polycarbonate visor fitted with retched (operable) system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |
| 7                               | Provides excellent protection against projectiles, blunt hit encountered during riot situation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |
| 8                               | <b>Inner fabric should be detachable &amp; washable.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |
| 9                               | Designed developed and ballistically tested by any <b>National Accredited Laboratory For calibration and testing.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |
| 10                              | Weight: Less than 2.5 Kg including all detachable items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |
| 11                              | <b>PC Visor:</b><br>(a) 2.6 mm to 4.5 mm thickness, <b>scratch proof / scratch resistant.</b><br>(b) Movable, Adjustable, Detachable and Comfortable.<br>(c) Anti-fog visor: 20° - 50° incline.<br>(d) Light Transmission rate of visor not <b>less than 85%.</b><br>(e) Attached Metal Net (Detachable): Weight less than 600 gm.<br>(f) <b>Its life should be upto 50% visibility and not less than 02 years.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |
| 12                              | <b>Shell:</b><br>(a) Material: ABS ( <b>anti buta-di-ene poly-styrene</b> )/ Fibre reinforced plastic (FRP) <b>or any other NABL proven superior material.</b><br>(b) Round shape shell with comfortable interior cushion padding about 2 cm± 10% <b>with breath-holes for air circulation.</b><br>(c) Adjustable and Comfortable harness should be detachable & washable.<br>(d) Top Thickness: 5mm ± 10%.<br>(e) Side Thickness: 04mm ± 10%.<br>(f) Weight: 1.60Kg ± 10%.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |
| 13                              | <b>Ear Guard:</b><br>(a) PC / ABS / Fibre reinforced plastic <b>or any other NABL proven superior material with air circulation.</b><br>(b) Side thickness: 3.5mm ± 10%.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |
| 14                              | <b>Chin Strap:</b><br>(a) Snug / Snap / Strip fit and quick release chin strap.<br>(b) Soft and comfortable on skin.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |
| 15                              | <b>Miscellaneous:</b><br>(a) Anti-bacterial cloth (Treated) <b>or any other NABL proven superior material</b> should be used for inner lining. A certificate to this effect will be provided from a govt. accredited laboratory.<br>(b) PE (Poly Ethylene) inner layer against cutting and stabbing.<br>(c) Quick release buckle.<br>(d) Designed based on personal Armour System Ground Troops. (PASGT) / <b>totally protective and comfortable to wear.</b><br>(e) Side holes to make hearing easier and back holes for better ventilation.<br>(f) Provides excellent protection against projectiles encountered during RIOT situation with comfortable <b>sweat absorbing, Mesh Fabric</b> head padding <b>or any other NABL proven superior material.</b><br>(g) <b>Additional &amp; Essential features:</b> Protection of neck- A semi- circular fire- and water-resistant pad to provide cover protection to sides of the neck and back protection of cervical from stones and projectile attacks. |                          |



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|                                 | <p>(h) <b>Neck curtain</b> should be fire resistant fabric / artificial leather or EPF (Expanded Polythene Padding Foam) / Polyfoam that can avoid smell and fungal infection or any other NABL proven superior material.</p> <p>(i) Capable of protecting personnel against brick batting, stone pelting, Molotov cocktails, acid bottles, and cane attack etc.</p> <p>(j) Ventilation should be proper.</p> <p>(k) Designed to connect with ear / head phone and gas mask.</p> <p>(l) Tested by leading NABL certified Laboratory for its parameters, and material used in construction / fabrication.</p> <p>(m) Shatterproof, transparent PC Visor, Scratch resistant fitted with ratchet (openable) system.</p> <p>(n) Rust proof metal pivot for opening and closing of visor.</p> |                  |
| <b>B. Poly Carbonate Lathi</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>5000 Nos.</b> |
| 1                               | <p><b>Features:</b></p> <p>(a) Material: PC (polycarbonate).</p> <p>(b) Ultra Strong.</p> <p>(c) <b>Scratch proof, non-corrosive, fire proof.</b></p> <p>(d) Light weight.</p> <p>(e) Transparent.</p> <p>(f) High Impact Resistance.</p> <p>(g) Long Shelf life.</p> <p>(h) <b>Straight / firm / collapsible features may be preferred in light of new technology with ideal flexibility.</b></p>                                                                                                                                                                                                                                                                                                                                                                                       |                  |
| 2                               | <p><b>Technical Features:</b></p> <p>(a) Length: 1 mt <math>\pm</math> 10 mm.</p> <p>(b) Diameter: 2.5 cm <math>\pm</math> 2 mm.</p> <p>(c) Wall Thickness: 4 mm <math>\pm</math> 0.5 mm.</p> <p>(d) Weight: 350 gm <math>\pm</math> 25 gm.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |
| 3                               | <p><b>Additional and essential features:</b></p> <p>(a) <b>Handgrip:</b></p> <ul style="list-style-type: none"> <li>• About 5".</li> <li>• Round Shaped.</li> <li>• Unbreakable (as required).</li> <li>• Soft, Shock absorbent, but firm grip for proper handling with soft cushioning.</li> </ul> <p>(b) <b>Wrist Band:</b></p> <p>In the form of flexi 6" cotton / nylon / suitable fabric loop on the top of handgrip to enable proper security of the lathi.</p> <p>(c) <b>Protective Shoe/Stud:</b></p> <p>Bottom 2" of Lathi plugged with ring shaped, firm, fire- and water-resistant fibre/Rubber cap firmly/permanently fixed. Manufacturer's/Supplier's written submission regarding non-corrosion, scratch proofing, fire and water resistance be provided.</p>              |                  |
| <b>C. Poly Carbonate Shield</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>3000 Nos.</b> |
| 1                               | <ul style="list-style-type: none"> <li>• Raw material: Engineering grade Polycarbonate or any other technically proven superior material.</li> <li>• Provides excellent protection against brick batting, stone pelting, molotov cocktails, chains, acids, iron, rod/cane attack.</li> <li>• Light weight, <b>scratch proof, durable</b> and transparent.</li> <li>• Improved consistency in thickness and enhanced strength.</li> <li>• Thick ribs all along the edges for higher structural strength.</li> <li>• Vision area of shield so shaped as to avoid scratches during handling.</li> <li>• Cushioned/ comfortable arm rest for comfort and longevity.</li> <li>• High impact resistance.</li> </ul>                                                                            |                  |
| 2                               | <p><b>Technical Data</b></p> <ul style="list-style-type: none"> <li>• Shape: Rectangular <b>or any other proven better shape.</b></li> <li>• Length: 910 mm to 1000 mm.</li> <li>• Weight: Less than 3.4 kg.</li> <li>• Breadth (Flat): 580 mm <math>\pm</math> 20 mm <b>or any other proven better shape.</b></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |

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|                               | <ul style="list-style-type: none"> <li>• Breadth Concave: 620 mm <math>\pm</math> 10 mm <b>or any other proven better shape.</b></li> <li>• Thickness: 3.0mm <math>\pm</math> 0.5mm.</li> <li>• Material: Transparent/<b>scratch proof.</b></li> <li>• PC (polycarbonate) virgin grade, and not recycled.</li> <li>• Edges well secured and covered by durable band / elbows.</li> <li>• Raw material: Engineering grade Polycarbonate</li> <li>• Provide complete protection against brick batting, stone pelting, iron rod/cane attack, <b>molotov cocktails, acids.</b></li> <li>• Thick ribs all along the edges for higher structural strength</li> <li>• Cushioned arm rest to provide comfort in long use i.e. to have solid strap, handle and pad for better grip.</li> <li>• High impact resistance.</li> </ul>                                                                                                                                                                                                                                                                                                                                  |                  |
| <b>D. Full Body Protector</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>3000 Nos.</b> |
| 1.                            | <p><b>Material-</b> Cloth Jackets of fire-retardant drill cloth in required colour and required black pattern.<br/> <b>Colour-</b> Black<br/> <b>Weight-</b> 5.950 kg <math>\pm</math> 10%<br/> <b>Size:</b> Small/ Large/ Extra Large</p> <p><b>Properties</b></p> <ul style="list-style-type: none"> <li>* Physical protection against brick batting cane/knife/acid attacks, molotov cocktails and projectiles encountered in Riot situation and other policing functions.</li> <li>* Special fire retardant, high impact resistance rubber inserts.</li> <li>* Protective sheets for front and back pouches with trauma pads.</li> <li>* <b>Sweat absorbing mesh fabric (detachable &amp; washable) in-lined</b> elbow and shin guards ergonomically formed to protect limbs during riot/mob situation.</li> <li>* Impact attenuation (reduction) above 80%.</li> <li>* Thoroughly tested by leading <b>NABL</b> laboratories engaged in research in physiology and bio-engineering with certificate to that effect.</li> <li>* Design ensures restraint free movement long shelf life, light weight with Excellent Protection capability.</li> </ul> |                  |
| 2                             | <p><b><u>Chest Protector(40 cm <math>\pm</math> 10%)</u></b><br/> (a) Upto 4.5 mm <math>\pm</math> 10% thick poly foam.<br/> (b) Inner lining made of mesh fabric (<b>Detachable &amp; washable</b>) with sweat absorbing lining 2 mm <math>\pm</math> 10% thick foam with specified (16-22) shore A hardness and engineered plastic <b>certified from a NABL lab.</b><br/> (c) Weight: Less than 3.00 kg<br/> (d) Material: <b>High-quality unbreakable</b> engineered plastic for front and back pouches with trauma pads.<br/> (e) High impact resistant rubber inserts to absorb trauma.<br/> (f) <b>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.</b><br/> (g) <b>Inter stichable so as to remain in place and not slip.</b></p>                                                                                                                                                                                                                                              |                  |
| 3                             | <p><b><u>Elbow Pad (Length- 37 cm <math>\pm</math> 10%)</u></b><br/> (a) Made of soft engineered plastic.<br/> (b) Velcro closure.<br/> (c) EVA (Ethylene and vinyl Acetylene based Polymer) Poly foam of minimum specified hardness. Engineered plastic with matt surface of 2.5 mm <math>\pm</math> 10% thickness.<br/> (d) Mesh fabric poly foam of upto 4 mm <math>\pm</math> 10% specified hardness.<br/> (e) Should be able to withstand impact from one metre on hard surface.<br/> (f) Inter stichable so as to remain in place and not slip.<br/> (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.<br/> (h) The fabric should be detachable &amp; washable.</p>                                                                                                                                                                                                                                                                                                          |                  |
| 4                             | <p><b><u>Shin guard (Length- 55 cm <math>\pm</math> 10%)</u></b><br/> (a) Made of soft engineered plastic <b>or any other NABL proven superior material.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |

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|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|   | <p>(b) Elastic stripes for easy wearing.</p> <p>(c) Velcro closure.</p> <p>(d) Sweat absorbing mesh fabric Poly foam 10 mm <math>\pm</math> 10% hardness.</p> <p>(e) <b>Inter stichable so as to remain in place and not slip.</b></p> <p>(f) <b>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.</b></p> <p>(g) <b>The fabric should be detachable &amp; washable.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| 5 | <p><b><u>Upper Arm</u></b></p> <p>(a) High protection engineered soft plastic or any other NABL proven superior material with <b>Sweat absorbing mesh fabric (Detachable &amp; washable)</b> inner protection with a unique flexible design for optimum movement, fit and comfort suitable to human body parts shape.</p> <p>(b) Velcro fixed.</p> <p>(c) <b>Inter stichable so as to remain in place and not slip.</b></p> <p>(d) <b>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.</b></p>                                                                                                                                                                                                                                                                                                                                                                                               |  |
| 6 | <p><b><u>Shoulder Pad(15 cm <math>\pm</math> 10%)</u></b></p> <p>(a) Velcro fixed.</p> <p>(b) High protection engineered soft plastic or any other NABL proven superior material with a unique flexible design for optimum movement, fit and comfort.</p> <p>(c) Poly foam (preferably 3mm thickness) with specified (35-40) Shore A hardness and black mesh fabric that covers the chest and back.</p> <p>(d) High protection engineered soft plastic with shock absorbing EVA Polyfoam cushioning the shoulder.</p> <p>(e) Inner lining made of mesh sweat absorbing fabric (<b>detachable &amp; washable</b>).</p> <p>(f) <b>Inter stichable so as to remain in place and not slip.</b></p> <p>(g) <b>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.</b></p>                                                                                                                            |  |
| 7 | <p><b><u>Groin</u></b></p> <p>(a) Section has an outer shock absorbing <b>Sweat absorbing mesh fabric (detachable &amp; washable)</b> padding (plastic/ EVA/ poly foam) along with hard shell cap or any other NABL proven superior material.</p> <p>(b) The protection attachment should cover the groin area from all ricocheted projectiles and allow a comfortable sitting.</p> <p>(c) <b>Inter stichable so as to remain in place and not slip.</b></p> <p>(d) <b>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.</b></p>                                                                                                                                                                                                                                                                                                                                                              |  |
| 8 | <p><b><u>Forearm &amp; Elbow Guard (37 cm <math>\pm</math> 10%)</u></b></p> <p>(a) High protection engineered soft plastic outer shell or any other NABL proven superior material should provide flexibility required for forearm and elbow.</p> <p>(b) Shock absorbing poly foam with minimum specified (Maximum 5 mm) thickness and black mesh (<b>detachable &amp; washable fabric</b>) lining which offers comfort and breathability.</p> <p>(c) Adjustable straps fastening with durable elastic and Velcro.</p> <p>(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.</p> <p>(e) <b>Inter stichable so as to remain in place and not slip.</b></p> <p>(f) <b>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.</b></p> |  |
| 9 | <p><b><u>Thigh Guard (44 cm <math>\pm</math> 10%)</u></b></p> <p>(a) Thigh guard must be supported by kamar bandh to avoid slippage while running and during movement.</p> <p>(b) High protection engineered unbreakable plastic of 2.5 to 04mm thickness on thigh section.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                       | <p>(c) EVA (Ethylene and vinyl Acetylene based Polymer) foam or any other technically better test proven material with minimum 4.5 mm thickness and mesh lining (detachable &amp; washable fabric) for comfort and breathability.</p> <p>(d) Adjustable straps fastening with durable elastic and Velcro.</p> <p>(e) Length: 146.5 ± 10%</p> <p>(f) Inter stichable so as to remain in place and not slip. A fire-retardant drill cloth (detachable &amp; washable fabric) jacket with fire retardant and polycarbonate inserts in front and back pouches. Two shin guards having high resistant unbreakable plastic inserts.</p> <p>(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.</p> |                |
| <b>E. Loud Hailer</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>200 Nos</b> |
| 1                     | <p><i>Generic</i></p> <p><b>Type:</b> Hand held</p> <p><b>Material of Body:</b> ABS</p> <p><b>Horn dia (mm):</b> 220 millimeter</p> <p><b>Horn length (mm):</b> 370 millimeter</p> <p><b>Built in Siren, switched operated:</b> Yes</p> <p><b>Microphone:</b> Unidirectional with volume control and press to talk switch.</p> <p><b>Weight with battery (Kgs):</b> 2.2 kilogram</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |
| 2                     | <p><i>Voice range</i></p> <p><b>Voice Range in Traffic Junctions(High Noise Environment) (meters):</b> 500 meter</p> <p><b>Voice Range in quite areas (meters):</b> 500 meter</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |
| 3                     | <p><i>Power / Battery</i></p> <p><b>Power Requirements:</b> 12V DC</p> <p><b>Battery Capacity (Ah):</b> 4.5</p> <p><b>Battery Life (with siren) (mins):</b> 60 minute</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |
| 4                     | <p><i>Performance</i></p> <p><b>Operational time with new cells / fully charged conditions (hours):</b> 15 hour</p> <p><b>Power output (Rated) (Watts):</b> 20 Watt</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |

  
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 Police Headquarters, Itanagar  
 Arunachal Pradesh  
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