



MORMUGAO PORT TRUST
MATERIALS MANAGEMENT DIVISION
ENGINEERING (MECHANICAL) DEPARTMENT

MM/NS/CME/

12.09.2017

To,

1. M/s Indian Armour Systems (P) Ltd., Palwal Haryana
2. M/s SM Group of Industries, New Delhi
3. M/s MKU Pvt. Ltd., Kanpur
4. M/s Southern Group (P) Ltd., New Delhi
5. M/s Adigear, New Delhi
6. M/s Sri Laxmi Defence Solution, Noida
7. On MPT Website.

Dear Sir,

Sub:-Enquiry No. MM/NS/CME/0154 due on 22.09.2017.

You are requested to kindly furnish your quotation for the subject item in the following format:-

Sr. No.	Description	Unit	Qty.	U/Rate (Rs.)	Freight (Rs.)	Insurance (Rs.)	Others (Rs.)	GST (Rs.)	FOR Destination Rate Total Amount (Rs.)
1	Supply of Bullet Proof (BR) Helmets for use of CISF personnel with the specifications as listed.	Nos.	5						

I. SPECIFICATIONS:-

1. **Ergonomics:** It should be possible to wear, adjust and remove the helmet with ease even with gloved hands. It should be provided with a three point chin strap with comfortable cushioned chin cup made of appropriate non-abrasive, non-allergic material/double strap of reasonable width. The helmet should adequately cover the neck and ears but it should not impair. The helmet should adequately cover the neck and ears but it should not impair the hearing. Helmet should be compatible with active ear protection.
2. **Shape:** The helmet should adequately cover the head, neck and ears of the wearer and its design should be on the lines of Modular Integrated Communications Helmet (MICH)/Advanced Combat Helmets (ACM). The shape of the helmet should facilitate the use of handsets within service communication equipment. Helmet should have provision to mount a display system, hands free communication equipment and fix-electro-optical devices and detachable visor as and when required.
3. **Material:** Vendor should declare the type of material (Aerial Density), construction, dimension and weight of fabricated BR helmet in their offer.
4. **Surface Finish & Colour:** The helmet should be of crinkle Matt finish and in Disruptive IA pattern colour (without Indian Army logo).
5. **Protection:** Should be having protection against 9 x 19mm cartridge fired through sub-machine gun from a distance of 5 metres to achieve a muzzle velocity of 430 ± 15 m/sec and weight of the bullet between 7.4 gms to 8.2 gms. The deformation in the helmet should not exceed 13mm. The material of the helmet should be fire/flame retardant and water resistant.

2nd Floor, A.O. Building, Headland-Sada, Mormugao, Goa – 403 804
(P.O. No.: 170, Vasco-da-Gama, Goa - 403 802)
Phone: 0832- 2520222, 2520220, Fax: 0832-2520227
Web Site: www.mptgoa.com, E-Mail mm@mptgoa.com

6. **Climatic Conditions:** Should withstand repeated and sustained exposure to climatic conditions. Supplier must provide Certificate from the accredited laboratory with regard to temperature and humidity as follows:-
 - a. Temperature: -50° C to +60° C for six hours.
 - b. Relative humidity: Up to +90%.
7. **Use of Optical Instruments:** The design of the helmet should be such that it should not obstruct the use of monocular/binoculars (day & night), optical sights fitted on the weapons, range finders and Artillery optical instruments as per the requirement of user. The dimension of attachment/accessories to be mounted on Helmet will be defined by the user separately organization in the tendering documents.
8. **Compatibility:** The design of the helmet should be compatible to wear alongwith respirators and chemical hoods. The metal/plastic parts if used must be coated and laminated with Grade-I insulation. The firm must provide Certificate from the accredited laboratory.
9. **Comfort:** The helmet should not cause any undue discomfort even after prolonged wearing by an individual for more than eight hours. The helmet should not hinder aiming during firing and enable unhindered use of in service optical devices and personal spectacles.
10. **Weight:** Weight should not be more than 1.35 kg for medium size helmet.
11. **Inner Lining/Harness:** The helmet should be provided with a suspension system which should be adjustable to the head size. A removable pad system for suspension, comfort and protection from the deformation as mentioned in the para-5 above, should be provided to ensure air-circulation.
12. **Chin Strap:** Adjustable chin strap with three or four points support must be provided. The material of the chin strap should be suitable to Indian weather conditions and should be rugged enough to withstand rough handling in the field. The buckle of the chin strap should be easy to engage/disengage and its position on the cheek should not hinder aiming during firing. The material of the buckle should be harmless to skin in all types of climatic conditions.
13. **Size:** Medium:-
 - a. Head Circumference (maximum circumference measurement of the head above the eyebrows) – medium size – more than 52 up to 57 cms.
 - b. Sagittal Arc (it measures the distance over the top of the head between the glabella to the nuchale, which is the base of the occiput) – medium size – more than 35 up to 39 cms.
14. **Shelf Life:** Shelf Life of helmet indicated is 10 years in storage conditions. The operational life of 7 years is mentioned in field conditions, because of different climatic conditions and normal wear and tear. In this regard manufacturer has to submit a certificate alongwith the supply.
15. **Provision for visor:** Suitable provisions should exist in the BR helmet for attaching a protective visor. An additional weight of up to 1.5 kgs with click system (Tolerance of 10 gms permitted) for the visor along with provision for its attachment in the helmet would be required on selective basis as per user requirement. It should provide protection against ballistic fragments and other flying debris. It should have a clear air passage on the top and bottom to prevent fogging of the visor. It should confirm to ballistic protection as per the user requirement.

16. User Evaluation:

- i) Testing of BR Helmet for Ballistic Evaluation will be carried out at CFSL or TBRL, Chandigarh laboratories as per QRs and Trial directive.
- ii) Testing of BR Helmet Physical Evaluation should confirm the Indian Standard: 9562-1980 (Reaffirmed 2007) Edition 1.5 (2000-12).

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

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

19. **Warranty:** The helmet should be supplied with the warranty of the supplier against defective design material, workmanship and performance for a period of 12 months from the date of receipt of store at the consignee end.

- II. **PAYMENT:** Kindly note that we are a Govt. of India organization, and as such our payment shall be 100% payment within 30 days of receipt and installation of material/invoice/documents by ECS/EFT. Suppliers Invoice should indicate the suppliers and MPT's GST numbers and suppliers HSN number. All the mandatory certification needs to be furnished along with the supplies. Confirm acceptance.
- III. **DELIVERY:** The delivery period is within 4 weeks. Confirm acceptance.
- IV. You will have to dispatch the material, duly insured, on FOR Destination basis.
- V. **LIQUIDATED DAMAGES:** Supply schedule as per order should be strictly adhered to. In the event of delay in supplies, Liquidated Damages at 1% of the total basic value of the undelivered quantity will be levied per week or part thereof of delay. The total Liquidated Damages shall however not exceed 10% of the total basic value of the order. The total value here means the total value of the order exclusive of taxes, freight etc. **The date of receipt of material at our Store at Baina, Vasco will be considered as date of delivery for the purpose of Liquidated Damages.**Confirm acceptance.
- VI. **FORCE MAJEURE & EXTENSION IN DELIVERY PERIOD:** In case of failure to deliver the goods in time which shall have arisen due to war, insurrection, restraint imposed by the Government Act or Legislation or other Authority, accident, strike, riot, lock-out or unforeseen events beyond human control directly or indirectly interfering with the supplies of stores or from any cause which the purchaser may admit as reasonable ground for an extension of time, the purchaser will allow such additional time he considers reasonable provided that the contractor shall report to the purchaser the occurrence of any cause as aforesaid which will or might affect the performance of the contract within a reasonable time. Requests for extension received after expiry of the delivery schedule will not be entertained. Confirm acceptance.

Kindly furnish your offer in sealed cover marked "MM/NS/CME/0154 due on 22.09.2017", which shall be opened on 22.09.2017 at 15.30 hrs. The cover (offer) should reach this office latest by 15.00 hrs on the due date.

Thanking you,

Yours faithfully,

MATERIALS MANAGER