

Expression of interest (EOI) for development of 0.32" pistol with Receiver and Slide made from Polymer/composite material.

Gun and Shell factory is a unit of Ordnance Factory Board, Department of Defence Production, Ministry Of Defence, Govt. of India. Gun and Shell Factory is producing 0.32" pistol for civilian customers. In recent time few international manufacturers have inducted pistols made of polymer/composites inputs. Which are lighter in weight and handy. Gun. and Shell Factory is also intending to induct similar type of unique product to the market. As a part of MAKE IN INDIA campaign of Govt. of India, GSF intends to develop Pistol 0.32" Bore with Receiver and Slide made of polymer/composites in partnership with capable vendors of Indian Origin who have expertise in field of producing composite products and interested in development on no cost no commitment basis (NCNC) . The new product will be lighter and handy in comparison to the existing product. The firms will be selected by GSF for the development process based on their capabilities and availability of expertise / infrastructure. The requirement of the new pistol will be about 3000 nos. per annum. The development process will be in following stages.

Sl no.	Activity	Time frame
1	The firms rep. shall visit GSF to understand the requirement and receive the technical details/ drawings /acceptance standards etc. on submission of necessary documents to prove their INDIAN Origin, payment of tender document fees and signing of Non-Disclosure Agrrement (NDA) clause in complete. For this purpose Shri Dipti Prakash Sahoo, Junior Works Manager/GSF may be contacted at Tel. 033-25579684/4423 ext- 277.	Date of issue of technical details from GSF: 20/08/2016 to 10/09/2016 during office hours. On submission of fee of ₹ 250/- in form of demand draft only drawn in favour of The General Manager, Gun and Shell Factory Cossipore, Kolkata- 700002
2	Pre-bid conference at GSF	29/08/2016, 11:00 AM onwards.
3	Closing date and time for submission of technical bid (submission of Vendor Registration Request Form) VRRF/ Quality Assurance Plan (QAP)/ Process schedule by firms) to GSF.	10/09/2016 at 14:00 Hrs.
4	Date and Time for opening Technical Bid	10/09/2016 at 14:30 Hrs.

The special terms and conditions of this tender may be seen at website www.ofbeproc.gov.in.

The dates mentioned above are tentative for guidance purpose and may be suitably amended as per requirement.

Special Terms and condition.

1. One set of drawings of the main assy/ sub-assy/components will be handed over to the interested firm in soft form (on CD) on signing of the Non Disclosure Agreement (NDA) and submission of ₹ 250/- as document fee.
2. Firm has to make own arrangement for developing/producing the components at their end and cost.
3. Firm has to design the receiver and slide with Polymer/composite material to accommodate existing mechanism without any alteration of external dimensions.
4. Receiver and slide has to withstand the thermal stress and mechanical stress without any distortion up to continuous firing of 1000 rounds of practice ammunition.
5. The volume of the pistol should be equal to existing 0.32" pistol.
6. The receiver and slide should be non-reactive to other components, environmental exposure and user.
7. Firm has to develop the Receiver and Slide on "no cost no commitment" NCNC basis.
8. The firm shall submit filled vendor registration request form (VRRF), Detailed Quality Assurance Plan, Material details, drawings mentioning all dimensions, Process Schedule along with other technical and intellectual detail in a comprehensive document to GSF.
9. The VRRF will be evaluated as per Standard Operating Procedure(SOP) for capacity verification and vendor registration (available at website <http://ofbindia.gov.in>) and firms will be selected for development process. The financial limit of the firm should be more than ₹ 1.00 crore (to be calculated by multiplying average net sale during last three years by factor K- 0.5 if earned profit in all three years, 0.3 if earned profit out of three years, 0.2 if earned profit in one out 03 years)
10. Tests should be carried out to confirm the structural integrity, crack, voids, air gaps etc.
11. For all other tests including raw materials, test should be carried out by the firm under its own arrangement and cost. All test certificates should be submitted by firm either from original manufacturer or NABL or Govt laboratories.
12. For inter stage inspection, if any, as per QAP, firm should give an inspection call to GSF, so that a team of inspector shall be deputed from GSF.
13. Three nos. of pistols assembled with composite receiver and slide will be subjected to integration check by firing 1000 nos. of practice rounds through each at GSF in presence of firm's rep.

14. Ultrasonic testing – C-scanning will be performed post firing to examine condition of composite materials.
15. All set of Receiver and Slides to be serially numbered.
16. The raw materials used for manufacturing Receiver and Slide should be available easily in India for next 07 years to ensure productionisation in India post development.
17. If the product fails at any stage of evaluation the firm will not be given status of “successful firm/established”.
18. The evaluation will be carried out by GSF.
19. Price for ammunition required for proof firing will be borne by GSF.
20. The firms who qualify after integration check will be treated as qualified vendor for next stage of evaluation process for which separate order will be placed through limited tender enquiry (LTE)
21. All the firms having expertise on working with composites are being specially informed about this tender with a request for participation.
22. Firm shall submit receiver & slide to GSF for assembly with components and further evaluation.