

सब पत्र - व्यवहार महाप्रबंधक के नाम करें किसी अधिकारी के नाम पर नहीं / All correspondence should be addressed to the General Manager and not to any officer by name.



भारत सरकार, रक्षा मंत्रालय  
भारतीय आयुध निर्माणियाँ  
राइफल फैक्टरी ईशापुर  
ईच्छापुर-नवाबगंज, उत्तर 24  
परगना  
प. बंगाल – 743144  
GOVERNMENT OF INDIA  
MINISTRY OF DEFENCE  
INDIAN ORDNANCE  
FACTORIES  
RIFLE FACTORY ISHAPUR  
ICHAPUR-NAWABGANJ

## EXPRESSION OF INTEREST: 9mm PISTOL

1. Indian Ordnance Factories is an industrial set-up which functions under the Department of Defence Production, Ministry of Defence, India. Indian Ordnance Factories with its headquarter (Ordnance Factory Board) at Kolkata, is a conglomerate of 41 manufacturing units, which provide a board and versatile production base with multi-technology capabilities and state-of-the-art manufacturing facilities. OFB supplies to Indian Armed Forces include Tanks, Arty Guns, AD Guns, Infantry weapons, Ammunition form small calibre to large calibre, clothing items etc.
2. This EOI is being issued for selection of partner for collaboration agreement for production and supply of 9mm Pistol
3. The EOI seeks response from prospective collaborators, who are willing to be associated with OFB through a technology collaboration agreement to manufacture, supply and support Gun and Ammunition system as mentioned above with mutually beneficial work share arrangement. This EOI document consists of four parts as indicated below:  
  
**Part - I** : Contains general requirements of the Offer  
  
**Part - II** : Contains aspects of QRs describing the technical parameters of the proposed equipment.  
  
**Part - III** : Contains compliance statement with respect to QRs mentioned in Part - II.  
  
**Part - IV** : Contains additional information regarding the system being offered by Respondent.  
  
**Part - V** : Contains proforma for company profile.
4. The interested prospective collaborators shall approach OFB/RFI to ensure their response with details. The response shall necessarily be accompanied with details on company background, technical features/product performance preservation with capabilities, product catalogue, reference list, financial performance and other enclosures as required under the present EOI.

5. Detailed discussion to finalize the terms & conditions/scope of collaboration agreement would be held with the selected Respondent based on the responses received against this EOI.
6. A Memorandum of Understanding (MoU) shall be signed with the selected prospective collaborator before submission of bid against RFP to Indian Army / MoD. The license & technology collaboration agreement and the Supply Agreement shall be entered into with the selected prospective collaborator after receipt of contract by OFB from MoD.
7. OFB/RFI has the right to verify the documents submitted and claims made in offers through Physical verification.
8. All the Respondents will be technically evaluated on the basis of their compliance to general and technical requirements mentioned in Part-I, Part-II and Part-III of this RFI.
9. If only one technically suitable response is received then the Respondent will be straightway selected for Technical Collaboration agreement with OFB/RFI. If there are more than one technically suitable offers then a separate RFP will be issued by OFB/RFI to the **shortlisted Respondents only** and one of the shortlisted Respondent will be selected, based on their response to the RFP, for technical collaboration with OFB.

The last date for receipt of responses is **30/06/2017**. Your response may be sent to the following address:

The General Manager  
Rifle Factory Ishapore,  
P.O.Nawabganj, District: North 24 parganas,  
West Bengal-743144  
Telephone:033-2593-7000  
Fax:033-25937200  
Email: rfi.ofb@nic.in

## **PART - I:**

Perspective collaboration needs to be associated with OFB to manufacture, technology transfer, co-production & Supply of state of the art 9mm Auto Pistol. 9MM Auto Pistol should be highly accurate and functionally & aesthetically should be equivalent to world class standard. Pistol should accommodate all standard tactical light & laser aiming devices. Pistol should also be able to function satisfactorily in all climatic conditions & geographical terrain.

## PART - II

### Qualitative Requirement of 9mm Pistol

#### 1 PHYSICAL CHARACTERISTICS

- a) Caliber 9mm configured to fire 9x19mm Ball round in service ammn.
- b) Operation Semi-automatic, Single/Double action
- c) Last Bullet Stop The slide should lock in the open position after the last round is fired from the magazine
- d) Effective Range Not less than 25m
- e) Muzzle Velocity Not less than 350m/s
- f) Magazine Capacity Not less than 15 rounds
- g) Weight Not more than 700 gms with integral picatinny rail & without magazine and accessories(use of polymer & composite material may be allowed without effecting the functioning of the pistol)
- h) Length Not more than 200mm
- i) Width Not more than 35mm
- j) Height Not more than 140mm
- k) Sight Standard open sight with luminous dots
- l) Colour Weapon should be black in colour with non reflective paint in mat finish.
- m) Attachments Should have an Standard Picatinny Rail 1913 to enable mounting accessories/attachments such as tactical light and laser aiming devices.
- n) Silencer To be provided (db ≤ 60) using Silencer
- o) Ambidexterity Should have option to fire from both left & right hand.
- p) Life: Life of the pistol in terms of:-
  - (i) Barrel Not less than 15000 rounds
  - (ii) Body & Slide Not less than 15 years
- r) Accuracy When fired 06 Rds. At range of 9m, 5 out of 6 shots should be within a rectangle 51mm horizontal x 76mm vertical. Aiming point shall be 16mm above the bottom of the rectangle.

#### OP PARAMETERS

- 2 SAFETY: Should be provided with mechanical and applied safety enabling use.
- 3 OP. CONDITIONS: The pistol should accurately & reliably fire in Deserts, Plains & HAA. The weapon should be capable of being operated & stored under following temp conditions:-
  - (a) Minimum Between -20<sup>0</sup>C and -10<sup>0</sup>C
  - (b) Maximum Between 40<sup>0</sup>C and 45<sup>0</sup>C
- 4 CARRIAGE CASE The pistol and all the accessories should be provided with a metallic carriage case to facilitate safety of weapon and accessories during transportation & storage

## OPERATION AND MAINTENANCE

- 5 **ENVIRONMENTAL RUGGEDNESS & TOLERANCE** The piston should meet the parameters as laid down in CQA(SA)/1/2015 revised & GSPS-138. The weapon should meet following environmental conditions.
- (a) Storage Temp. Between -51<sup>0</sup>C and +71<sup>0</sup>C
- (b) Humidity RH 90% at 30<sup>0</sup>C
- 6 **MTBF/MTTR** In firing cycle of 100 rounds at each temperature ranges, it should not suffer from more than two 'Class-I', one 'Class-II' and Nil 'Class-III' stoppages. Stoppages being classified as follows:
- (a) Class I Stoppage Can be removed by the firer in 10 seconds without the use of any tools/equipments/spares by using immediate action drills
- (b) Class II Stoppage Can be removed by the firer in 10 seconds to 10 minutes using tools/equipments/spares by using immediate action drills issued with the weapon.
- (c) Class III Stoppage Take more than 10 minutes or special tools/equipments/spares to rectify defects and resume firing.
- 7 **FIELD MAINTENANCE** A user should be able to strip & assemble a pistol in field without tools. The oils/lubricants required to maintain the 9mm Pistol should be commercially available off the shelf in Indian Market

## MISCELLANEOUS

- 8 **ACCESSORIES** Should be provided with following accessories:
- (a) **Tactical Light with Laser Aiming Device** Tactical light and laser aiming device should be integrated into single device which is compatible with the picatinny rail provided with the pistol. It should have following features:
- (i) **Tactical light** Focusable and should not obstruct aiming. Should function on Standard commercially available batteries (AA/AAA). The rg should not be less than 25 mtrs.
- (ii) **Laser aiming device** The aiming point should be of a 'Laser Grip' type. The range of the laser beam should not be less than 25 mtrs. It should have provision of emitting IR laser beam not visible to naked eye but visible through Night vision goggles (II/TI).
- (iii) The sight should withstand the environmental and durability tests as per JSS-5855 in conjunction with JSS-55555
- (iv) following should be the features:
- (aa) Dimensions of Sight (LxWxH)
- (i) Not more than 8.65 cm Long
- (ii) Not more than 4.65 cm in diameter
- (ab) **Weight with battery**. Not more than 140 gm
- (ac) **Type of Laser**. Eye safe laser
- (ad) Should have arrangement for zeroing /alignment (Horizontal & Vertical)
- (d) **Colour of Magazine**. Magazine should be of same colour as the weapon and should be of Non reflective type with mat finish.

**PART - III**  
**COMPLIANCE STATEMENT**

1	<b><u>PHYSICAL CHARACTERISTICS</u></b>	
	<b><u>(Vendor to specify)</u></b>	
	a)	<b><u>Caliber</u></b>
	b)	<b><u>Operation</u></b>
	c)	<b><u>Last Bullet Stop</u></b>
	d)	<b><u>Effective Range</u></b>
	e)	<b><u>Muzzle Velocity</u></b>
	f)	<b><u>Magazine Capacity</u></b>
	g)	<b><u>Weight</u></b>
	h)	<b><u>Length</u></b>
	i)	<b><u>Width</u></b>
	j)	<b><u>Height</u></b>
	k)	<b><u>Sight</u></b>
	l)	<b><u>Colour</u></b>
	m)	<b><u>Attachments</u></b>
	n)	<b><u>Silencer</u></b>
	o)	<b><u>Ambidexterity</u></b>
	p)	<b><u>Life:</u></b> Life of the pistol in terms of:-
	(i)	<b><u>Barrel</u></b>
	(ii)	<b><u>Body &amp; Slide</u></b>
	r)	<b><u>Accuracy</u></b>
<b><u>OPERATION PARAMETERS</u></b>		
<b><u>(Vendor to specify)</u></b>		
2	<b><u>SAFETY:</u></b>	
3	<b><u>OPERATING CONDITIONS:</u></b>	
	(a)	Minimum
	(b)	Maximum
4	<b><u>CARRIAGE CASE</u></b>	

<b><u>OPERATION AND MAINTENANCE</u></b>			
<b><u>(Vendor to specify)</u></b>			
5	<b><u>ENVIRONMENTAL RUGGEDNESS &amp; TOLERANCE</u></b>		
	(a)	Storage Temp.	
	(b)	Humidity	
6	<b><u>MTBF/MTTR</u></b>		
	(a)	Class I Stoppage	Can be removed by the firer in 10 seconds without the use of any tools/equipments/spares by using immediate action drills
	(b)	Class II Stoppage	Can be removed by the firer in 10 seconds to 10 minutes using tools/equipments/spares by using immediate action drills issued with the weapon.
	(c)	Class III Stoppage	Take more than 10 minutes or special tools/equipments/spares to rectify defects and resume firing.
7	<b><u>FIELD MAINTENANCE</u></b>		
<b><u>MISCELLANEOUS</u></b>			
<b><u>(Vendor to specify)</u></b>			
8	<b><u>ACCESSORIES</u></b>		
	(a)	<b><u>Tactical Light with Laser Aiming Device</u></b>	
		(i)	<b><u>Tactical light</u></b>
	(ii)	<b><u>Laser aiming device</u></b>	
	(iii)	Environmental and durability tests of sights:	
	(iv)	following should be the features:	
		(aa) Dimensions of Sight (LxWxH)	
		(ab) <b><u>Weight with battery.</u></b>	
		(ac) <b><u>Type of Laser</u></b>	
		(ad) Arrangement for zeroing /alignment (Horizontal & Vertical)	
	(b)	<b><u>Colour of Magazine.</u></b>	

#### **PART - IV: ADDITIONAL INFORMATION**

Any other additional information about the product which is necessary to be mentioned in the RFI. Respondent are requested to specify all such information.

# **PART - V**

## **INFORMATION PERFORMA**

### **1 Name of the Vendor/Company/Firm**

### **2 Type (Tick the relevant category)**

Original Equipment Manufacturer (OEM) Yes / No  
Authorized Vendor of Foreign Firm YEs / No (Attach details,if Yes)  
Others (give specific details)

### **3 Contact Details**

Postal Address:

City State  
Pin  
Code Tele  
Fax URL/Web site

### **4 Local Branch/Liaison Office in Delhi (if any)**

Name & Address

Pin  
Code Tele Fax

### **5 Financial Details**

- (a) Category of Industry (Large/medium/small scale)
- (b) Annual Trunover (in INR)
- (c) Number of employees in firm
- (d) Details of manufacturing infrastructure
- (e) Earlier contacts with Indian Ministry of Defence/Government agencies

Contact Number	Equipment	Quantity	Cost

**9 Equipment/Product Profile (to be submitted for each product separately)**

- (a) Name of Product  
(Should be given category wise for e.g. all products under night vision device to be mentioned together)
- (b) Description (attach technical literature)
- (c) Whether OEM or Integrator
- (d) Name & address of Foreign Collaborator (if any)
- (e) Industrial Licence Number
- (f) Indigenous component of the product (in percentage)
- (g) Status (in service/design & development stage)
- (h) Production capacity per annum
- (i) Countries/agencies where equipment supplied earlier (give details of quantity supplied)
- (k) Estimated price of the equipment

**10 Alternatives for meeting the objectives of the equipment set forth in RFI**

**11 Any other relevant information**

**12 Declaration**

It is certified that the above information is true and any changes will be intimated within five (05) working days of occurrence

**(Authorized Signatory)**

