

REQUEST FOR INFORMATION : ASSAULT RIFLE FOR INDIAN ARMY

1. Ministry of Defence, Government of India is desirous of procuring Assault Rifle for the Indian Army. With the view to identify probable vendors who can undertake the said project, OEMs/ Vendors are requested to forward information on the product which they can offer.
2. The RFI consists of two parts as indicated below:-
 - (a) **Part I.** The first part of RFI incorporates Operational parameters that should be met by the equipment and tentative date of the issue of the RFP and the quantity required to be procured.
 - (b) **Part II.** The second Part of RFI states the methodology seeking response of vendors. Submission of incomplete response format will render the vendors liable for rejection.

PART – I : OPERATIONAL PARAMETERS AND BROAD TECHNICAL REQUIREMENTS

3. Indian Army seeks a **7.62mm x 51mm** rifle with lethality to achieve the objective of 'Shoot to Kill' with the following broad characteristics:-
 - (a) **Effective Range.** Minimum 500 meters.
 - (b) **Lethality.** Lethality at ranges up to minimum 500 meters in terms of wound profile, energy transferred and penetration.
 - (c) **Recoil.** The recoil should be duly optimized to provide maximum comfort to the firer and shoot consistently with accuracy.
 - (d) **Accuracy.** The rifle should be capable of achieving accuracy better than three Minutes of Angle up to a range of minimum 500 meters.
 - (e) **Reliability.** The rifle shall be reliable in its operation as per international standards for reliability and withstand sustained fire.
 - (f) **Weight.** The rifle should be as light as possible in weight.
 - (g) Modular design.
 - (h) Capable of fitting and firing of Indian in-service UBGL manufactured by Indian Ordnance Factory, Trichy.

- (j) Sight. The rifle should have integrated open sight and multi option telescopic sight.
- (k) Compatibility with all modern sights and accessories and provision for mounting the same.
- (l) In terms of design, metallurgy and performance parameters, the rifle and sight shall be 'State of the Art' in order to remain relevant for next 25 to 30 years.
- (m) The rifle shall be capable of providing the desired performance across all spectrums of employment in the Indian terrain and climatic conditions.
- (n) The rifle shall comply with the laid down MIL Standards and other International Standards in vogue.

4. Tentative date of **issue of RFP is April 2017**. Total Quantity required is approximately **1,85,000 Assault Rifles** out of which the immediate requirement is of approximately **65000 rifles**. The approximately quantity 65000 Assault Rifles should be delivered within **four (04) months to twenty eight months (28)** from the day of signing of the contract. The vendors should confirm if they can deliver requisite quantity of Assault Rifles within the stipulated timeframe.

5. The parameters/broad specifications of the item are mentioned in the questionnaire attached as per **Appendix 'A'**. The vendors are required to respond to the same.

PART - II : PROCEDURE FOR RESPONSE

6. In addition the vendors are required to furnish details as per Performa at **Appendix 'B'**.

7. Apart from the information as per the Appendices the vendors may also forward technical details/product brochures/literature etc pertaining to the item.

8. The vendor to provide disclaimer on commitment to procure the eqpt.

9. The required information / details may please be forwarded at the following addresses by **07 November 2016** :-

- (a) DIRECTOR GENERAL OF INFANTRY/INFANTRY - 8
GENERAL STAFF BRANCH
ROOM NO 403, D-1 WING, SENA BHAWAN
INTEGRATED HEADQUARTERS OF MINISTRY OF DEFENCE (ARMY)
DHQ PO, NEW DELHI – 110 011
FAX NO : +91-11-23018412
E mail ID : suresh1234@nic.in
- (b) DIRECTORATE GENERAL OF WEAPONS AND EQUIPMENT (WE - 9)
GENERAL STAFF BRANCH
ROOM NO 411, A WING, SENA BHAWAN
INTEGRATED HEADQUARTERS OF MINISTRY OF DEFENCE (ARMY)
DHQ PO, NEW DELHI – 110 011
FAX NO : +91-11-23793274
E mail ID : gso1-we9-army@nic.in
- (c) DIRECTORATE GENERAL OF
WEAPONS AND EQUIPMENT (RFP CELL)
GENERAL STAFF BRANCH
ROOM NO - 444, A WING, SENA BHAWAN
INTEGRATED HEADQUARTERS OF MINISTRY OF DEFENCE (ARMY)
DHQ PO, NEW DELHI – 110011
FAX NO : +91-11-23793274
E mail ID : dirrfp.we-army@nic.in
- (d) DIRECTORATE GENERAL OF PERSPECTIVE PLANNING
T&WS (GSQR CELL)
GENERAL STAFF BRANCH
ROOM NO - 902, A WING, SENA BHAWAN
INTEGRATED HEADQUARTERS OF MINISTRY OF DEFENCE (ARMY)
DHQ PO, NEW DELHI – 110011
FAX NO : +91-11-2011198
E mail ID : dracd920-ihq@nic.in
- (e) TECHNICAL MANAGER (LAND SYSTEMS)
ROOM NO 28, D-II WING, SENA BHAWAN
MINISTRY OF DEFENCE, NEW DELHI – 11
Fax No: +91-11- 23792414
E mail ID : tmls-mod@nic.in
- (f) HQ INTEGRATED DEFENCE STAFF
(LTFS DTE/PP&FS DIVISION)
ROOM NO 11, KASHMIR HOUSE
RAJAJI MARG, NEW DELHI – 11
- (g) HQ DRDO
451, DRDO BHAWAN,
RAJAJI MARG,
NEW DELHI – 11
- (h) DEPARTMENT OF DEFENCE PRODUCTION (COORD)
SOUTH BLOCK
NEW DELHI – 11

10. An Interaction with Vendors has been scheduled at **1430hrs on 24 October 2016** at Sena Bhawan, New Delhi.

11. An early response is requested.

RFI QUESTIONNAIRE

Ser No	Question/ Specification	Reply
1.	<p><u>Calibre.</u></p> <p>(a) Do you have an Assault Rifle of 7.62 x 51mm calibre, including variants if any?</p> <p>(b) Can the Rifle fire Indian in-service 7.62 x 51mm ammunition i.e. 7.62 x 51mm Ball M-80 and 7.62 x 51mm Tracer M-62?</p> <p>(c) Please provide the details/ specifications of ammunition fired by your rifle?</p> <p>(d) Please provide the details of variants of the rifle available with you along with their respective specifications?</p>	

2.	<u>Colour.</u> What is the colour of your rifle? Do you have rifle of black/grey shades?	
3.	<u>Effective Range.</u> (a) What is the maximum effective range of the Assault Rifle? (b) What is the mechanism to ascertain/ determine the maximum effective range?	
4.	<u>Weight.</u> (a) What is the weight of Assault Rifle? (b) Without magazine and accessories/ attachments. (c) With empty magazine.	
5.	<u>Reliability.</u> (a) Please specify the reliability of Assault Rifle in term of :- (i) Mean Rounds Between Failure (MRBF). (ii) Number and various classes of stoppages during a firing cycle of 2400 rounds as per ITOP 3-2-045?	

	<p>(iii) Classes of stoppages are as under :-</p> <p>(aa) <u>Class I Stoppage.</u> Can be removed by the firer in 10 seconds without the use of any tools / equipment / spares by using immediate action drills.</p> <p>(ab) <u>Class II Stoppage.</u> Can be removed by the firer in 10 seconds to 10 minutes using tools / equipment / spares issued with the weapon.</p> <p>(ac) <u>Class III Stoppage.</u> Take more than 10 minutes or special tools / equipment to rectify defects and resume firing.</p> <p>(b) Has your rifle undergone any trials for reliability aspect in the past? If yes, please provide the details and the standards followed for the subject?</p>	
6.	<p><u>Accuracy.</u></p> <p>(a) What is the accuracy of the rifle at 100 meters and at maximum effective range claimed by you in following modes :-</p>	

	<p>(i) Single shot.</p> <p>(ii) Automatic.</p> <p>(iii) What is the accuracy of the rifle in terms of MoA as well as grouping at 100m?</p>	
7.	<p><u>Length.</u> What is the length of the Assault Rifle :-</p> <p>(a) With flash suppressor and fully folded/ retracted butt.</p> <p>(b) With flash suppressor and fully extended butt.</p> <p>(c) With flash suppressor and extended butt when bayonet fixed.</p>	
8.	<p><u>Muzzle Velocity.</u></p> <p>What is the muzzle velocity of the ammunition fired in the Assault Rifle? Where is the MV measured in your case? MV measured at 5 meters from the tip of barrel to be mentioned?</p>	
9.	<p><u>Rate of Fire (RoF).</u></p> <p>(a) What is the Normal RoF of your Rifle?</p> <p>(b) What is the Intense RoF of your Rifle?</p> <p>(c) What is the cyclic RoF of your Rifle?</p>	
10.	<p><u>Lethality.</u></p>	

	<p>(a) Please specify the Lethality of the rifle at 50m, 100m, 200m, 300m, 400m and 500m and maximum effective range in terms of :-</p> <p>(i) Wound Profile.</p> <p>(ii) Energy Transferred.</p> <p>(iii) Penetration of 3.5mm Mild Steel Plate (MSP).</p> <p>(b) Please specify the trial methodology adopted by you for the evaluation of lethality.</p> <p>(c) Please provide details of previous trials/ assessment of lethality if carried out in respect of your rifle.</p> <p>(d) Please specify the details of Wound ballistics in Ballistic Gelatin/ clear silicon or any other material representing close to human body.</p>	
11.	<p><u>Magazine.</u></p> <p>(a) What are the types of magazines provided with the Assault Rifle?</p> <p>(b) Please specify the following in respect of each option/ variant :-</p> <p>(i) Material of construction.</p>	

<p>(ii) Capacity of rounds.</p> <p>(iii) Weight of empty magazine.</p> <p>(iv) Mechanism of magazine fitment onto the Rifle and indication of correct fitment.</p> <p>(v) Feasibility of clipping/ clubbing/ joining of two magazines without the use of any tool/ spares in field by firer.</p> <p>(vi) Provision of magazine filler for easy filling of magazine.</p> <p>(vii) Provision of mechanism for indication of number of rounds in the magazine.</p> <p>(c) Which is the most reliable magazine variant in your options, as per you?</p> <p>(d) Does the magazine have feed reliability? If yes, please specify the mechanism used for ascertaining the same and the details of any previous trials in this aspect.</p> <p>(e) Is the magazine rugged in battlefield conditions in the prevalent terrain and climatic conditions of India?</p>	
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12.	<p><u>Modularity.</u></p> <p>(a) Is the weapon modular?</p> <p>(b) Does the weapon facilitate replacement of sub assemblies without using any specialist tools?</p> <p>(c) If yes, please specify the mechanism and sub assemblies.</p>	
13.	<p><u>Picatinny Rails.</u></p> <p>(a) Does the rifle have picatinny rails? If yes, where on the weapon are these mounted? Also describe them in terms of orientation and dimensions.</p> <p>(b) Do the picatinny rails obstruct/ interfere with the handling/ smooth operation of the weapon?</p> <p>(c) Do the picatinny rails compromise the modularity of the rifle?</p> <p>(d) Do the picatinny rails interfere with/ obstruct the zeroing and/ or operation of sights on the weapon?</p> <p>(e) Do the picatinny rails have the provision of covers? Do these covers cause inconvenience to the firer in holding and operating the weapon. Do these covers cause inconvenience/ interfere with/ obstruct the zeroing and/ or operation of sights on the weapon?</p> <p>(f) Are the picatinny rails compliant to any Standards? If so please specify?</p>	

14.	<p><u>Sighting System.</u></p> <p>(a) Does the rifle have an integrated open sight? If yes,</p> <p>(i) What is the type/ design of open sight?</p> <p>(ii) What are the ranges provided for firing with open sight?</p> <p>(iii) Does the open sight facilitate firing in low light conditions? If yes, what is the mechanism incorporated to achieve this in the open sight?</p> <p>(iv) What is the method of zeroing the weapon? What tools are used to zero the weapon?</p> <p>(b) <u>Telescopic Sight.</u></p> <p>(i) Does the weapon have a telescopic sight? Please specify, if multiple options provided in respect of telescopic sights.</p> <p>(ii) If yes, please specify the following for each option :-</p> <p>(aa) Range.</p> <p>(ab) Weight.</p> <p>(ac) Magnification.</p> <p>(ad) Field of View at maximum magnification in case of</p>	
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variable magnification.

(ae) Type of Reticule Pattern.

(af) Is there a provision for range estimation in the telescopic sight?

(iii) Does the telescopic sight obstruct the open sight, when mounted on the weapon? Also specify the duration for which the mechanism is effective in low light condition?

(iv) Please specify the power requirements for the telescopic sight, if any?

(v) Is the telescopic sight integrated with the weapon or is standalone?

(vi) Is any range table available with the optical sight for engagement at various ranges? What is the maximum range at which the telescopic sight can engage effectively?

(c) **Reflex Sight (Holographic/ Red Dot).**

(i) Does the Weapon have a detachable Reflex Sight (Holographic/ Red Dot)? If yes, please specify the following :-

(aa) Weight of Holographic/Red Dot Sight.

(ab) Effective range.

	<p>(ac) Magnification if any.</p> <p>(ad) Provision for integration with Visible Laser Target Pointer?</p> <p>(ae) If integrated with Visible Laser Target Pointer; what is the weight of such system.</p> <p>(ii) Does the sight conform to International specifications/ standards? If yes, please specify if any previous trials have been conducted in this regard. Also provide the results of such trials.</p> <p>(iii) Can the reflex sight be used in conjunction with any night sight? If yes please provide details.</p> <p>(d) <u>Visible Laser Target Pointer.</u></p> <p>(i) Does the rifle have a Visible Laser Target Pointer?</p> <p>(ii) If yes, please specify the following :-</p> <p>(aa) Aligning/ zeroing and fitting on rifle.</p> <p>(ab) Effective range.</p> <p>(ac) Weight as independent sys.</p> <p>(ad) Weight if integrated with holographic/reflex sight.</p>	
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	<p>(ae) Power requirement.</p> <p>(e) <u>Power Requirement for Sights.</u></p> <p>(i) Please specify the power source for the batteries.</p> <p>(ii) Can the sights operate with commercially available Lithium Ion/Lithium Polymer batteries?</p> <p>(iii) Can the sights operate with commercially available dry batteries and/ or rechargeable batteries?</p> <p>(iv) If no batteries reqd, then please specify the source of power?</p> <p>(v) Please specify the method of indication of Battery life left over.</p> <p>(f) <u>Corner Shooting Facility.</u> Do the sight facilitates the weapon to be fired from corner without exposing the body but just the weapon? If yes, please give details of the same.</p> <p>(g) What is the service life of various sights in terms of number hours of operation / years?</p>	
15.	<p><u>Butt Stock.</u></p> <p>(a) Does the rifle have a folding or retractable butt or a combination of both?</p>	

	<p>(b) Please specify the mechanism of folding/ retraction?</p> <p>(c) What are the other options of butt stock offered with the rifle?</p> <p>(d) Does the butt have an integral back-plate which is ergonomically designed for firer's comfort and is shock absorbent?</p> <p>(e) Does the butt have a cheek-rest? If yes, is the cheek-rest adjustable for ambidextrous use?</p> <p>(f) Does the butt hold any mechanism for managing recoil? If yes, please specify.</p>	
16.	<p><u>Ambidexterity.</u></p> <p>(a) Is the weapon ambidextrous?</p> <p>(b) If yes, is it ambidextrous by design or required to be modified to achieve ambidextrous capability?</p> <p>(c) Can these modifications be carried out by the firer in field or in the workshop? How much time is taken by the firer to carry out these modifications in field?</p> <p>(d) Are the following components of the Assault Rifle ambidextrous :-</p>	

	<ul style="list-style-type: none">(i) Cocking/Charging handle.(ii) Ejection Port.(iii) Change Lever/Safety Catch.(iv) Holding Opening Catch.(v) Magazine Catch.(vi) Cheek Pads. <p>(e) Does the modification for ambidexterity affect the reliability/performance of the weapon? Please specify the nature and quantum of such effect.</p>	
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17.	<p><u>UBGL.</u></p> <p>(a) Is there an UBGL with the rifle? If yes, what is the calibre of the UBGL? Can it fire 40mm UBGL?</p> <p>(b) Is UBGL breech loaded or muzzle loaded?</p> <p>(c) What is the maximum range of the UBGL?</p> <p>(d) What is the weight of the UBGL?</p> <p>(e) What types of grenades can be fired from the UBGL?</p> <p>(f) Can the UBGL be fired in a stand-alone mode? If yes, then what are the modifications required?</p> <p>(g) Can In service 40mm UBGL manufactured by Indian Ordnance Factory, Trichy be attached to the weapon?</p> <p>(h) Can the UBGL fire in-service 40 mm ammunition?</p>	
18.	<p><u>Ejection Pattern.</u> Please specify the ejection pattern of the fired cases?</p>	
19.	<p><u>Flash Suppressor.</u></p> <p>(a) Does the rifle have a flash suppressor? Is it fixed or removable?</p> <p>(b) What is the design/type of flash suppressor?</p>	

	(c) What is the efficacy of the flash suppressor? What is the level of suppression achieved?	
20.	<p><u>Sound Signature.</u></p> <p>)What is the sound signature of the rifle at a distance of 3 m from the barrel? Please specify the same in Decibels(DB)</p> <p>)Does the rifle have a provision for sound suppressor? If yes, please give details.</p> <p>)What is the level to which the sound is suppressed with the sound suppressor?</p>	
21.	<p><u>Firing Mechanism.</u></p> <p>(a) What is the firing mechanism in the rifle?</p> <p>Is the firing mechanism robust to withstand battlefield conditions in various terrain and climatic conditions prevalent in India?</p> <p>If required, can the firer repair the firing mechanism in field with integral tools/ spares?</p> <p>What are the inbuilt safety mechanism/ features?</p> <p>What are the applied safety mechanism/ features?</p> <p>Is 'Positive Locking' achieved in the weapon for safety during firing?</p>	

	<p>What are the various modes of firing i.e. safe, single and auto mode etc?</p> <p>What is the charging/cocking load for charging/ cocking the rifle? Is there any alternative method of charging/ cocking the rifle?</p> <p>With which hand is the charging/cocking handle operated?</p>	
22.	<p><u>Trigger Guard.</u></p> <p>(a) Does the weapon have a trigger guard?</p> <p>(b) Is it removable?</p> <p>(c) Can the trigger be operated with cold climate gloves?</p>	
23.	<p><u>Holding Opening Catch/Device.</u></p> <p>(a) Does the rifle have a Holding Opening Catch/ Device?</p> <p>(b) Please specify the mechanism and the hand used for application Holding Opening Catch/ Device?</p> <p>(c) If yes, what is the material used for it's construction?</p> <p>(d) Is there any alternate mechanism to hold the moving parts behind the chamber? If yes, please specify the same.</p> <p>(e) Does the rifle have 'Auto Hold Open' mechanism after last round of magazine is fired?</p>	
24.	<p><u>Barrel.</u></p>	

	<p>(a) What is the service life of barrel in terms of rounds fired? Have any trials been carried out to ascertain the life of barrel? If yes, indicate the results of such trials?</p> <p>(b) Does the barrel have any protective coating/made with protective material?</p> <p>(c) What is the life of protective coating, if applicable?</p> <p>(d) What are the cleaning and lubrication requirements vis-a-vis duration/ number of rounds fired in standard conditions as well as in adverse field/ battlefield conditions?</p>	
25.	<p><u>Recoil.</u></p> <p>(a) What is the free recoil in the rifle (in terms of Joules) in following modes:-</p> <p>(i) Single shot.</p> <p>(ii) Automatic mode.</p> <p>(b) What is the mechanism incorporated for reducing the recoil in the rifle?</p> <p>(c) How does the recoil mechanism contribute towards enhancement of accuracy?</p>	
26.	<p><u>Heating of Rifle.</u></p>	

	<p>(a) What is the highest temperature achieved after firing two cycles of 120 rounds each as per ITOP 3 – 2-045 fired at 40° C ambient temperature and measured 30 seconds after firing in the following parts :-</p> <ul style="list-style-type: none"> (i) Hand Guard. (ii) HOD Catch. (iii) Cocking/Charging Handle. (iv) Fore grip. (v) Any other part of weapon coming in contact with the firer's body. <p>(b) What are the insulation arrangements in the rifle to protect the firer from high temperatures during and after firing?</p>	
27.	<p><u>Attachments.</u></p> <p>(a) Does the rifle have a bipod? if yes,</p> <ul style="list-style-type: none"> (i) Is the bipod detachable? (ii) Does the bipod have a swivel for horizontal movement? (iii) Is the bipod adjustable for length in both legs independently? (iv) What is the weight of the bipod? 	

<p>(b) Does the rifle have multipurpose bayonet with scabbard? If yes,</p> <p>(i) Does the bayonet have differential hardening? Please specify the hardness of bayonet from tip to toe?</p> <p>(ii) What is the provision for mounting the bayonet?</p> <p>(iii) What is the effect of bayonet on accuracy/ balance during firing with bayonet:-</p> <p>(aa) With Scabbard.</p> <p>(ab) Without Scabbard.</p> <p>(iv) Can the bayonet be used as a Commando Knife/ Independent of the weapon?</p> <p>(v) What is the effect on accuracy of the rifle in case the bipod is not on ground during firing (Firer firing while holding the rifle with hands)?</p> <p>(vi) What are the multi-purpose uses of Bayonet?</p> <p>(c) Does the rifle have a provision for firing blank rounds? If yes, please specify.</p>	
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	(d) What are the various options for 'Carrying Sling' available with the rifle? How can the sling be used for different modes of carriage?	
28.	<p><u>Construction.</u></p> <p>What is the metallurgy used in the weapon? Please specify the metallurgy (incl plastic, fibres, wood etc) used for various parts of the weapon?</p>	
29.	<p><u>Interchangeability.</u></p> <p>Is your weapon capable of achieving Interchangeability of parts? The performance of the weapon (including accuracy) must not be affected after interchanging the parts.</p>	
30.	<p><u>Maintainability.</u></p> <p>(a) Can the rifle be field stripped with the tools available in the maintenance kit available with the weapon?</p> <p>(b) What is the maintenance and cleaning kit available with the rifle?</p> <p>(c) Where can this kit be stored in the rifle?</p>	

	(d) What is the Mean Rounds Between Failure (MRBF) of the rifle under combat conditions without cleaning, lubrication and maintenance?	
31.	<p><u>Lubricant.</u></p> <p>)Is there a requirement of lubrication for the operation and maintenance of the rifle? If yes please specify:-</p> <p>(i) Lubricant(s) used.</p> <p>(ii) Conditions for usage of the lubricant.</p> <p>(iii) Temperature range for use of the lubricant.</p> <p>(iv) Does the lubricant evaporate during firing (produce fumes)?</p>	
32.	<p><u>Quality Standards.</u></p> <p>(a) Do the rifle, sights and its accessories conform to MIL standards?</p> <p>(b) Which contemporary world standards does the weapon and sights comply with? Please specify.</p>	
33.	<p><u>Operating Conditions.</u></p> <p>(a) Is the rifle along with sights capable of operating without compromising its accuracy and reliability in the Indian environmental conditions including High Altitude Area, Deserts and Jungles?</p>	

	<p>(b) What are the operating temperature limitations under which the weapon and the sights can be used effectively without compromising accuracy and reliability? Please specify separately for weapon and the sight.</p> <p>(c) What are the conditions of humidity at 40 degree Celsius temperature within which the weapon can be operationally used without de-gradation of its optimum performance in terms of accuracy and reliability?</p> <p>(d) Can the weapon be effectively used under conditions of rain without de-gradation of its optimum performance?</p>	
34.	<p><u>Storage Conditions.</u></p> <p>What are the storage temperature limitations under which the weapon can be stored without affecting it's efficiency?</p> <p>What are the storage temperature limitations under which the sights can be stored without affecting their efficiency?</p> <p>What are the humidity limitations under which the weapon can be stored without affecting it's efficiency?</p> <p>What are the humidity limitations under which the sights can be stored without affecting their efficiency?</p> <p>What are the specifications of the lubricant required for storage, if any?</p>	

35.	<p><u>Packing.</u></p> <p>(a) What is the provision of packing available for weapon, sights and accessories?</p> <p>(i) Independently for each weapon/sight.</p> <p>(ii) Lot wise packing for transportation and storage/ Mission mode packing.</p> <p>(b) What is the provision for making the packing Water Resistant?</p> <p>(c) What is the provision of locking the packing case?</p> <p>(d) What is the provision of making the packing 'Shock Absorbent'?</p> <p>(e) Is the packing rugged?</p>	
36.	<p><u>Indigenisation.</u></p> <p>a) Does your Firm have a licence to manufacture Small Arms from Government of India?</p> <p>b) If No, Has your Firm applied for obtaining licence to manufacture Small Arms in India?</p> <p>c) If you are an Indian Firm, do you have a Joint Venture with any foreign OEM or in-house proven expertise? If yes, please specify</p>	

<p>and give details of the same.</p> <p>(d) If you are a foreign OEM, do you have any Joint Venture with an Indian Firm? If yes, please specify and give details of the same.</p> <p>(e) If you are a Foreign OEM are you ready to manufacture the rifles in India.</p> <p>(f) If you are an Indian vendor, are you capable of Indigenous Design and Development of the rifle. If yes, what are the terms and conditions and timelines envisaged for the same? Do you have the patent and/or Intellectual Property Rights (IPR) documents/ Patents/ Design registrations/ copyright wrt systems/ sub-systems for the indigenous design? Please give details.</p> <p>(g) What is the level/percentage of indigenization in terms of :-</p> <ul style="list-style-type: none">(i) Cost.(ii) Technology.(iii) Raw Material.(iv) Overall content. <p>(h) If it is intended to carry out production in India, please specify the following :-</p> <ul style="list-style-type: none">(i) What is the minimum quantity of rifles to be bought/ cost for Transfer of Technology?	
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	<p>(ii) Terms and conditions for Transfer of Technology.</p> <p>(iii) Terms, conditions and capability for setting up manufacturing facility in India.</p> <p>(j) Is the key technology or raw material for manufacture of Rifle available in India? If yes, please provide details of the same.</p> <p>(k) Are the fwg design documents available :-</p> <ul style="list-style-type: none"> (i) Process of design. (ii) Mathematical and analytical details in sp of design. (iii) Engineering design and specifications. (iv) Manufacturing process to be involved. <p>(l) Is the documentation wrt evaluation of prototype available, please provide details?</p>	
37.	<p><u>Time Schedule.</u></p> <p>Tentative date of issue of RFP is April 2017. Total Quantity required is approximately 1,85,000 Assault Rifles out of which the immediate requirement is of 65,000 Rifles alongwith Sights. After signing of the contract, the immediate quantity required should be</p>	

	delivered commencing earliest but not later than four (04) months and completing earliest but not later than twenty eight months (28) . Will your company be able to adhere to the laid down time lines and deliver the given quantity of the product in the given tentative timeframe?	
38.	<p><u>Tentative Cost.</u></p> <p>(i) What is the tentative cost of each Assault rifle?</p> <p>(ii) What is the cost of its sights? Please specify for each sight.</p> <p>(iii) What is the cost of its accessories?</p> <p>(iv) What is the tentative cost of product support package and training?</p> <p>(v) Please provide the details of additional accessories along with their price?</p>	
39.	<u>Engineering Support Package.</u> Please provide details of Management of repairs and spares post contract and also Base overhaul facilities and availability of infrastructure in India.	
40.	Original Equipment Manufacturers (OEM) / Copyright Holders are requested to confirm that they are willing to demonstrate weapon system in India on a No Cost No Commitment basis.	
41.	Original Equipment Manufacturers (OEM) / Copyright Holders are requested to confirm that they can supply limited equipment for	

	trials on No Cost No Commitment basis.	
42.	What is the OEMs yearly production capability of the Assault Rifle?	
43.	What is the OEMs yearly delivery capability of the Assault Rifle?	
44.	OEMs are requested to indicate the minimum quantity of weapons with which, they would be willing to offer 'Transfer of Technology'.	
45.	Countries/ World Armies in which your Assault Rifle, Under Barrel Grenade Launcher (UBGL) and other items listed above are being used and since when, may please be listed out.	

INFORMATION PROFORMA (INDIAN VENDORS)

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

(Company profile including Share Holding pattern, in brief, to be attached)

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

Original Equipment Manufacture (OEM) Yes/No
Authorised 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 turnover : _____ (in INR)

(c) Number of employees in firm : _____

(d) Details of manufacturing infrastructure : _____

(e) Earlier contracts with Indian Ministry of Defence/ Government agencies :

<u>Contract Number</u>	<u>Equipment</u>	<u>Quantity</u>	<u>Cost</u>

6. **Certification by Quality Assurance Organisation.**

<u>Name of Agency</u>	<u>Certification</u>	<u>Applicable from (Date & Year)</u>	<u>Valid till (Date & Year)</u>

7. **Details of Registration.**

<u>Agency</u>	<u>Registration No</u>	<u>Validity (Date)</u>	<u>Equipment</u>
DGS&D			
DGQA/DGAQA/DGNAI			
OFB			
DRDO			
Any other Government Agency			

8. **Membership of FICCI/ASSOCHAM/CII or other Industrial Association.**

Name of Organisation

Membership Number

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

(a) Name of Product : _____

(IDDM Capability be indicated against the product)

(Should be given category wise for e.g. all products under night vision devices to be mentioned together)

(b) Description (attach technical literature) :- _____

(c) Whether OEM or Integrator : _____

(d) Name and 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 : _____
- (j) Countries/ agencies where equipment supplied earlier (give details of quantity supplied):
-
-

(k) Estimated price of the equipment _____

10. Alternative for meeting the objectives of the equipment set forth in the RFI.

11. Any other relevant information : _____

12. **Declaration**. It is certified that the above information is true and any changes will be intimated at the earliest.

Note : Para 44 and Appendix F to Chapter II, DPP 2016 may be referred.

(Authorised Signatory)

INFORMATION PROFORMA (FOREIGN VENDORS)

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

(Company profile in brief, to be attached)

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

Original Equipment Manufacture (OEM)	Yes/No
Government sponsored Export Agency	Yes/No (Details of registration to be provided)
Authorised Vendor of OEM	Yes/No (attach details)
Others (give specific details) _____	

3. **Contact Details.**

Postal Address :

City : _____ **Province :** _____

Country : _____ **Pin/Zip Code :** _____

Tele : _____ **Fax :** _____

URL/Web Site : _____

4. **Local Branch/ Liaison Office/Authorised Representative, in India (if any).**

Name & Address : _____

City : _____ Province : _____

Pin code _____ Tele : _____ Fax : _____

5. **Financial Details.**

(a) Annual turnover : _____ USD

(b) Number of Employees in firm _____

(c) Details of manufacturing infrastructure available _____

(d) Earlier contracts with Indian Ministry of Defence/Government agencies :

Agency	Contract Number	Equipment	Quantity	Cost

6. **Certification by Quality Assurance Organisation (If Applicable).**

Name of Agency	Certification	Applicable from (Date & Year)	Valid till (Date & Year)

7. **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 devices to be mentioned together)
- (b) Description (attach technical literature) :- _____
- (c) Whether OEM or Integrator : _____
- (d) Status (in service/Design development stage): _____
- (e) Production capacity per annum : _____
- (f) Countries where equipment is in service: _____
- (g) Whether export clearance is required from respective Government :
- (h) Any collaboration/joint venture/co-production/authorized dealer with Indian Industry (give details):
Name & Address _____
Tele : _____ Fax : _____
- (j) Estimated price of the equipment _____

8. Alternatives for meeting the objectives of the equipment set forth in the RFI.

9. Any other relevant information : _____

10. **Declaration.** It is certified that the above information is true and any changes will be intimated at the earliest.

Note : Para 44 and Appendix F to Chapter II, DPP 2016 may be referred.

(Authorised Signatory)

