

REQUEST FOR INFORMATION (RFI) : BULLET PROOF JACKETS (BPJ) FOR INDIAN ARMY

1. Ministry of Defence, Government of India is desirous of procuring BPJ for 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. ***This RFI should be read in conjunction with DAP 2020.***
2. The RFI consists of two parts as indicated below :-
 - (a) **Part I.** The first part of RFI incorporates operational parameters and broad technical requirements that should be met by the equipment and tentative date of the issue of 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 to the questionnaire may render the vendors liable for rejection.
 - (c) **Part III.** Guidelines for Framing Criteria for Vendor Selection/Pre-Qualification in Buy Indian (IDDM), Buy (Indian) and Buy & Make (Indian) Cases.

PART - I: OPERATIONAL PARAMETERS AND BROAD TECHNICAL REQUIREMENTS

3. **Intended Use of Equipment (Operational Requirement).** Indian Army seeks **BPJ** with desired protection level in lightest weight possible to enable the soldier to operate with maximum combat efficiency during prolonged operations with adequate protection against Small Arms fire.
4. The broad characteristics of new BPJ sought by Indian Army are as given below :-
 - (a) **Protection Level Up to.**
 - (i) Against 7.62x54R API bullets from 10 m at 830 ± 15 m/s.
 - (ii) Against 7.62x39 Hard Steel Core bullets from 10m at 700 ± 15 m/s.
 - (b) **Weight.**
 - (i) **For Para 4 (a) (i).** Preferably less than 10 Kg.
 - (ii) **For Para 4 (a) (ii).** Preferably less than 8 kg.

(c) **Back Face Signature (Trauma Levels)**. Less than 44 mm against 7.62 x 54R API bullets from 10 metres at 830 ± 15 m/s and less than 25 mm against 7.62 x 39 HSC bullets from 10 metres at 700 ± 15 m/s.

(d) **Coverage Area**. Minimum 4800 sq cm for SAP and minimum 3395 sq cm for HAP.

(e) **Design**. To be worn as a Jacket. To cover upper torso to protect Throat, Chest, Sides, Groin and Back of User. Be modular to ensure its use as per threat level perceived.

(f) **Ergonomics**. The BPJ to provide comfort for prolonged operations and 360° protection around the upper torso. The fabric of the Outer Tactical Vest should enable air circulation and resist bacterial or fungal infestation. Mechanism to uniformly distribute the weight during carriage without reducing operational efficiency be provided. Ease of adjustment and quick removal when required during operations.

(g) **Size**. The BPJ be provided in varying sizes to enable usage by troops across Indian Army.

(h) **Outer Tactical Vest**. Carriage capacity of three magazines of SIG 716/AK-203, two hand grenades and a hand-held Radio Sets such as VPS MK-III/ MOTOROLA DMR. Modularity to carry/ attach additional tools and pouches, as per requirement.

(j) **Fabric**. The fabric should be water and fire resistant. Be able to sustain the weight of complete BPJ without loosening or tearing over prolonged usage. The surface must facilitate stock (of Shoulder fired Small Arms) retention on the front of shoulders.

(k) **Surface & Interiors**. The surface should be non-reflective. The colour of BPJ should be as per user requirement. The padded interior must be modular to provide for ease of washing and drying.

(l) **Operational Temperature**. Be able to operate between the following operational temperature ranges :-

(a) **Minimum**. Minus 20° to Minus 10°.

(b) **Maximum**. 40° C to 45° C.

(m) **Service Life**. Preferably 10 years for Protection Material and five years for Outer Tactical Vest (Outer cover) and accessories.

5. Tentative date of issue of RFP is **Jun 2022**. Total quantity required is approximately **50,000 (Fifty thousand only)** BPJs. Planned to be procured in a phased manner, the desired quantity should be delivered within **twelve (12) months to twenty-four (24) months** from the day of signing of the contract. The vendors should confirm if they can deliver requisite quantity of BPJ within the stipulated timeframe.

6. Vendors should confirm that following conditions are acceptable :-

(a) The solicitation of offers will be as per 'Single Stage-Two Bid System'. It would imply that a 'Request for Proposal' would be issued soliciting the technical and commercial offers together, but in two separate sealed envelopes. The validity of commercial offers would be at least 18 months from the last date of submission of offers.

(b) The technical offers would be evaluated by a Technical Evaluation Committee (TEC) to check its compliance with RFP.

(c) The equipment of all TEC cleared vendors would be put through a trial evaluation in India on a 'No Cost No Commitment' basis. A staff evaluation would be carried out by SHQ to analyse the result of field evaluation and shortlist the equipment for introduction into service.

(d) Amongst the vendors cleared by GS evaluation, a Contract Negotiations Committee would decide the lowest cost bidder (L1) and conclude the appropriate contract.

(e) Vendor would be bound to provide product support for time period specified in the RFP, which includes spares and maintenance tools/jigs/fixtures for field and component level repairs.

(f) The vendor would be required to accept the general conditions of contract given in the Standard Contract Document at Chapter VI of DAP.

(g) **Offset (if applicable)**. The vendor has to undertake offset contracts amounting to ____% of the value of commercial proposals (Refer Appendix D to Chapter II).

(h) **Integrity Pact (if applicable)**. An integrity pact along with appropriate IPBG is a mandatory requirement in the instant case (Refer Annexure I to Appendix M of Schedule I).

(j) **Performance-cum-Warranty Bond**. Performance-cum-Warranty Bond both equal to 5% value of the contract inclusive of taxes and duties is required to be submitted after signing of contract.

PART - II: PROCEDURE FOR RESPONSE

7. The parameters/broad specifications of the item on offer by the vendor are sought as per questionnaire attached at **Appendix 'A'**. The vendors are required to respond to the questionnaire in detail. Apart from filling details about company, details about the exact product meeting other generic technical specifications should also be carefully filled. Additional literature on the product can also be attached with the form.

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

9. The Government of India invites responses to this request only from Original Equipment Manufacturers (OEM)/ Authorised Vendors/Government Sponsored Export Agencies (applicable in the case of countries where domestic laws do not permit direct export by OEMs). The end user of the equipment is the Indian Armed Forces (Indian Army).

10. This information is being issued with no financial commitment and the Ministry of Defence, Government of India, reserves the right to change or vary any part thereof at any stage. The Government of India also reserves the right to withdraw it should it be necessary at any stage. The acquisition process would be carried out under the provisions of DAP 2020.

11. An interaction with all interested vendors is being scheduled on **Cisco WebEx/ Google Meet** via Video Conferencing. All vendors desirous of attending the 'Vendor Interaction' are required to furnish requisite documentation as per **Appendix 'C'** by **20 May 2021**.

12. The response to the RFI may please be forwarded at the following addresses by **02 Aug 2021** :-

(a) DIRECTOR GENERAL OF INFANTRY/INFANTRY-8
GENERAL STAFF BRANCH
ROOM NO 403, D-1 WING, SENA BHAWAN
INTEGRATED HEADQUARTERS OF MINISTRY OF
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DHQ PO, NEW DELHI - 110 011
FAX NO : +91-11-23018412
E mail ID : suresh1234@nic.in

(b) DIRECTORATE GENERAL OF CAPABILITY DEVELOPMENT
(CD - 9)
GENERAL STAFF BRANCH

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ROOM NO 411, A WING, SENA BHAWAN
INTEGRATED HEADQUARTERS OF MINISTRY OF
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FAX NO : +91-11-23793274
E mail ID : gso1-we9-army@nic.in

- (c) DIRECTORATE GENERAL OF
CAPABILITY DEVELOPMENT (RFP CELL)
GENERAL STAFF BRANCH
ROOM NO - 444, A WING, SENA BHAWAN
INTEGRATED HEADQUARTERS OF MINISTRY OF
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FAX NO : +91-11-23793274
E mail ID : dirrfp.we-army@nic.in
- (d) DIRECTORATE GENERAL OF ARMY DESIGN BUREAU
T&WS (GSQR CELL)
GENERAL STAFF BRANCH
ROOM NO - 122, A WING, SENA BHAWAN
INTEGRATED HEADQUARTERS OF MINISTRY OF
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FAX NO : +91-11-2011198
E mail ID : drcd920-ihq@nic.in
- (e) ADDITIONAL DIRECTOR GENERAL ACQUISITION TECHNICAL
(ARMY)
ROOM NO 28, D-II WING, SENA BHAWAN
MINISTRY OF DEFENCE, NEW DELHI – 11
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**PART - III : GUIDELINES FOR FRAMING CRITERIA FOR VENDOR
SELECTION/PREQUALIFICATION IN 'BUY (INDIAN-IDDMM)' 'BUY (INDIAN)'
AND 'BUY & MAKE (INDIAN)' CASES**

13. The guidelines prescribed for short-listing/ pre-qualification of Indian vendors in Buy (Indian-IDDMM), Buy (Indian) & Buy & Make (Indian) cases are enumerated in the succeeding paragraphs. **Paragraph 14** deals with the parameters that may be considered for short-listing of vendors, whereas **Paragraph 15** amplifies the process for applying selected parameters to the process of Vendor Short listing.

14. **Parameters.**

(a) **General Parameters.**

(i) Applicant Entity should be an Indian Vendor as defined at Paragraph 20 of Chapter I of DAP 2020.

(ii) Business dealing with applicant Entity or any of its allied entities should not have been suspended or banned, by MoD/ SHQ or any Government Department or organization (as defined in Guidelines for Penalties in Business Dealings with Entities issued vide Ministry of Defence, D(Vigilance) MoD ID No 31013/I/2006-D(Vig) Vol II dated 21 Nov 2016). None of the Promoters and Directors of applicant entity should be a wilful defaulter.

(iii) "Entities" will include companies, with whom the Ministry of Defence has entered into, or intends to enter into, or could enter into contracts or agreements.

(iv) "Applicant entity" may be a company, subsidiary, an associate company (as defined in the Companies Act, 2013), a consortium or a Joint Venture (JV).

(b) **Technical Parameters.**

(i) Vendor shall be a manufacturing entity or a system integrator of defence equipment and not a trading company, except in cases where the OEM participates only through its authorised Vendors.

(ii) Minimum **two years** experience in **broad areas like manufacturing/electronics/ explosives etc. as applicable in the instant procurement case**. If not, then cumulative experience of at **least three years in above areas**, resulting in gaining of competence for manufacturing the proposed product.

(In case the SHQ feels that for a particular equipment a lesser experience could be accepted, then the same should be got approved by the competent authority before including the same in the RFP).

(iii) Where product involves integration, previous experience **of not less than one year/ one project** in integration of systems/ equipment shall be required.

(iv) **Turnkey Projects.** Experience of successful completion of one Turnkey project of similar nature within last five years with value of at least 20% of AoN cost or currently executing a contract of similar nature with value of at least 30% of the AoN cost. In case of no experience in Turnkey projects, the vendor for main component of the Turnkey project may be selected if it has experience as per paragraph 2 (b) (ii) above and experience of installation or integration of similar equipment/system or system of systems.

(v) **ICT Cases.**

(aa) Certification to be included if linked to scope of work – Gartner Quadrant/ISO9001/CMMi3 or more (specifying development/service/acquisition models)/ISO27001. For Information Security and large value projects preferably CMMi5 may be specified.

(ab) Compliance with IEEE/ ITU standards depending upon nature/type of project or solution required.

(c) **Financial Parameters.**

(i) **Average Annual Turnover.** Minimum average annual turnover for last three financial years, ending 31st March of the previous financial year, should not be less than 30% of estimated cost of the Buy (Indian-IDDM) and Buy (Indian) project and for Buy & Make (Indian) should not be less than 30% of estimated cost of the Make portion.

(ii) **Net Worth.** Net worth of entities, ending 31st March of the previous financial year, should not be less than 5% of the estimated cost of the Buy (Indian-IDDM) and Buy (Indian) project and for Buy & Make (Indian) should not be less than 5% of estimated cost of the Make portion. For orders above ₹ 5000 crores, the Networth of group companies can be considered on production of suitable documentary assurance.

(iii) **Insolvency**. The entity should not be under insolvency resolution as per Indian Bankruptcy Code at any stage of procurement process from the issuing of RFP to the signing of contract.

(iv) **Credit Rating (Desirable Financial Parameter)**. Long term credit rating equivalent to CRISIL rating on Corporate Credit Scale as **CCR-BBB or better**, and **SME-04 or better for SMEs** issued by credit rating agencies recognized by SEBI. Credit rating should be as on 31st March of the previous financial year.

(Note 1: All the above Financial Parameters, except Paragraph 2(c)(iii) above (Insolvency) will not be applicable for Capital Acquisition cases where estimated cost is ₹150 crores and below. However, Net worth of entities should not be **negative**.

Note 2: The turnover and net worth of the vendor shall be rounded off to the nearest lower ten/ hundred crores so as to keep the estimated cost of procurement confidential).

(d) **Other Parameters.**

(i) **Industrial License (IL)**. Vendors should be either holding a valid defence industrial license or should have applied for the same before responding to RFP. In any case the vendor must confirm holding of IL before commencement of FET. (Items requiring IL will be as per DIPP Press Note 3 of 2014 as amended from time to time).

(ii) **Registration**. Registered for a minimum of two years (one year for SMEs). Minimum number of years not applicable for JVs constituted specifically for a project.

15. **Stipulations for Applying Parameters.**

(a) **Areas like manufacturing/ electronics/ explosives etc.** referred to at Paragraph 2(b)(ii) should be defined in each case of procurement.

(b) In case the Applicant Entity is unable to meet the Financial Parameters by itself, it may rely on its **Holding Company** (as defined in the Companies Act, 2013 and amendments thereof) ("Companies Act") for fulfilment of the Financial Parameters, in which case reliance must be placed on the Holding Company towards fulfilment of **ALL** the Financial Parameters.

(c) In case the Applicant Entity is unable to meet one or more of the Technical Parameters by itself, it may rely on a Group Company(ies) for

fulfilment of the Technical Parameters. A Group Company in relation to the Applicant Entity may be:-

- (i) A company of which the Applicant Entity is an Associate Company. Such company should have ownership, directly or indirectly, of at least **26%** of the voting shares of the Applicant Entity.
 - (ii) A company which is an Associate Company of the Applicant Entity. The Applicant Entity should have ownership directly or indirectly, of at least **26%** of the voting shares of such Associate Company.
 - (iii) A Company with whom the Applicant Entity is commonly owned, directly or indirectly, for at least **26%** of the voting shares by another company. For example: An Applicant Company A is an Associate Company of Company B, in which B holds at least 26%. Further, C is also an Associate Company of B, in which B holds at least 26%. In this case the Applicant Company may use the credentials of C as well.
 - (iv) The Holding Company and Subsidiary Companies (as defined under the Companies Act) of the Applicant Entity.
- (d) The Applicant entity may be a single entity or a group of entities (the "Consortium"), coming together to implement the project. In such case :-
- (i) The credentials of only those members or their related entities may be counted, who have at least **26%** equity stake in the Consortium.
 - (ii) Each Consortium should have a designated **Lead Member**.
 - (iii) For Technical Parameters, **any of the Consortium members or their Group Companies** may meet the criteria.
 - (iv) For Financial Parameters; the Turnover and Net Worth of the Consortium Member shall be reckoned **proportionate to Consortium Member's equity stake** in the Consortium, and each Consortium member should meet the other criteria pertaining to Insolvency and Credit Rating. In case the Consortium Member relies on its Holding Company for any one of the above-mentioned Financial Parameters, then reliance must be placed on the Holding Company for meeting **all the financial Parameters**.

(e) Vendors should provide all necessary self-authenticated documentation in support of their achievement of criteria. Such documentation should inter-alia include:-

- (i) Details of projects/ supply orders successfully executed in the last two years.
- (ii) Annual reports for three years of applicant entity, parent and associate companies, consortium and JV partners.
- (iii) Details of shareholders, promoters, associated, allied and JV companies.
- (iv) Details of vigilance action, viz. ongoing investigation and suspension/ debarment/ blacklisting actions against the applicant entity or any of its allied entities, parent company or consortium and JV partners, if any by any Department/agency of Central Government.
- (v) A certificate from CA/CS indicating the financial parameters for the last three years as per Paragraph 2(c).
(**Note:** If a vendor is already a supplier to MoD and/ or has already provided the above documents in such cases, it should be necessary for the vendor to resubmit only such documentations as is necessary to update the above).

(f) Any vendor furnishing false information will be liable for action as per existing guidelines.

(g) Based on these generic parameters, more specific criteria should be evolved by the SHQ with regard to Technical and Financial parameters {Paras 2(b) and 2(c) above} in each procurement case depending upon requirements peculiar to each case keeping in view the overall need to ensure wider vendor participation. The specific criteria evolved by the SHQ for each case, as per these guidelines, may be got approved by the competent authority before including the same in the RFPs.

16. **Start Ups/ MSMEs.** Start ups would be defined as per G.S.R. 127 (E) dated 19 Feb 2019 (as amended from time to time). For procurement cases where the estimated cost is not exceeding ₹100 crores/ year based on delivery schedule at the time of seeking AoN or ₹ 150 crores, whichever is higher, to encourage the Start Ups/ MSMEs and build Industrial ecosystem, the recognized Start Ups/ MSMEs in the relevant fields may be considered for issue of RFP without any stipulation of Financial parameters, except Paragraph 2(c)(iii) above (Insolvency) and with General and Technical parameters to be decided on case to case basis.

(**Note:** Start Ups should not be confused with New entrants who may be high/ mid-sized groups having financial support and manufacturing experiences and now venturing into Defence Production).

17. The criteria for vendor selection shall be clearly stipulated in RFPs so as to maintain transparency. Care shall be taken to ensure that the stipulated criteria are not open to subjectivity and arbitrary interpretation.

18. An early action is requested.

REQUEST FOR INFORMATION (RFI) : QUESTIONNAIRE
(To be read in conjunction with DAP – 2020)

1. The parameters/ specifications of Original Equipment Manufacturer (OEM's) equipment on offer are required in the response to the undermentioned queries in this RFI.

Ser No	Question / Specification				Reply	
2.	<u>Protection Level.</u> (Provide data for both ICW and Standalone panels)					
	(a) Details of protection Level in the under mentioned format. (Note: - All data to be for Bullet Proof Jackets (size 84 to 90 cms/ Medium) adequately covering Neck, Chest, Groin, Sides and Rear of the Upper Torso of Soldier).)					
	Ser No	Protection		Aerial Density (Kg / m2)	Weight of Panel in Kgs	Trauma/ Back Face Signature (in mm)
		Ammunition Fired/Threat Level	Ballistic Evaluation Distance of Impact Number of Shots			
	<u>Front</u>					
	(i)	9x19mm FMJ/PB				
	(ii)	7.62x51mm FMJ/Pb				
	(iii)	7.62x39mm FMJ/HSC				
	(iv)	7.62x54mm API				
	<u>Side (each side)</u>					
	(i)	9x19mm FMJ/PB				
	(ii)	7.62x51mm FMJ/Pb				
	(iii)	7.62x39mm FMJ/HSC				
	(iv)	7.62x54mm API				

Ser No	Question / Specification						Reply	
	<u>Back</u>							
	(i)	9x19mm FMJ/PB						
	(ii)	7.62x51mm FMJ/Pb						
	(iii)	7.62x39mm FMJ/HSC						
	(iv)	7.62x54mm API						
	<u>Throat / Neck</u>							
	(i)	9x19mm FMJ/PB						
	(ii)	7.62x39mm FMJ/MS						
	<u>Groin</u>							
	(i)	9x19mm FMJ/PB						
	(ii)	7.62x39mm FMJ/MS						
	3.	<u>Ballistic Performance Standards.</u> Confirmation of conformance of the BPJ on offer to international/ national standard(s) (BIS, NIJ, Vpam, GOST or any other)? Please specify.						
		(a) If the BPJ conforms to BIS IS:17051:2018 standards, has it been supplied to any other security agency in India (MoD/PMF/ CAPF/State Police/ any other agency). Specify with details of quantities supplies and year of supply.						
		(b) If yes to Ser 3(a) above, please share the detailed technical specifications of the product supplied.						
4.	<u>Indigenisation of Material.</u>							
	(a) Specify material being used in the Soft Armour Panels (SAP) in BPJ?							
	(i) Is the material being imported or indigenously developed? If imported mention country of origin.							
	(ii) Is the material available indigenously?							
	(iii) If despite availability of indigenous material, the material is being imported, please specify reasons for import and country of import.							

Ser No	Question / Specification	Reply
	(iv) Specify the life of Fibre material.	
	(b) Specify the material being used in the Hard Armour Panels (HAP) in BPJ on offer?	
	(i) Is the material being imported or indigenously developed? If imported mention country of origin.	
	(ii) Is the material available indigenously?	
	(iii) If despite availability of indigenous material, the material is being imported, please specify reasons for import and country of import.	
	(c) Specify the tensile strength of Lamina/ply of composite material used in fabricating BPJ panels.	
	(d) Please confirm adherence to guidelines given in Gol (Min of Fin) letter No F.18/37/2020-PPD dated 08 Feb 2021, pertaining to supply of raw material/components/sub-assemblies or finished goods from the vendors from the countries sharing land border with India.	
	(e) List out all material/technology/ components not available in India, in the BPJ on offer?	
5.	<u>Physical Characteristics.</u>	
	(a) <u>Design.</u>	
	(i) The coverage area as a guideline is minimum 4800 sq cm for SAP and minimum 3395 sq cm for HAP, as in the existing in-service BPJs.	
	(ii) Please specify the coverage area of the BPJ on offer? Also attach sample photographs, if any.	
	(iii) Please elaborate the aspect of modularity (in design) in the BPJ on offer.	
	(b) <u>Dimensions.</u> Please provide overall dimensions of the BPJ (Size Medium) on offer. (Provide details on both ICW and Standalone panels)	

Ser No	Question / Specification					Reply	
	Size of BPJ	Min SAP Area (in sq cm)	Weight (in Kg)	Min HAP Area (in sq cm)	Weight (in Kg)		
	<u>Option-I</u> : Protection Level Configuration : Front – BIS Level 6, Rear, Sides (left and right) - BIS Level 5, Groin & throat – BIS Level 2						
	Front						
	Back						
	Side						
	Throat/ Neck						
	Groin						
	<u>Total Weight (Only complete set of Panels)=</u>						
	<u>Option-II</u> : Protection Level Configuration : Front and Rear – BIS Level 6, Sides (left and right) - BIS Level 5, Groin & throat – BIS Level 2						
	Front						
	Back						
	Side						
	Throat/ Neck						
	Groin						
	<u>Total Weight (Only complete set of Panels)=</u>						
	<u>Option-III</u> : Protection Level Configuration : Front, Back & Sides (left and right) – BIS Level 6, Groin & throat – BIS Level 2 (If higher protection on offer, please specify)						
	Front						
	Back						
	Side						
	Throat/ Neck						
	Groin						
	<u>Total Weight (Only complete set of Panels)=</u>						
	(c) <u>Harness/ Outer Tactical Vest (OTV).</u>						
	(i) Describe the <i>design</i> of the Harness?						
	(ii) What are the arrangements to ensure improved fitting around the body i.e. minimal wobble/ play between OTV & body?						
	(iii) Specify the material of pads & layers of pad, if used, integral to design.						
	(iv) What are the arrangements to carry four magazines of Assault rifle (SIG716/ AK-203), two						

Ser No	Question / Specification	Reply
	hand grenades, one handheld radio set and additional tools, if required?	
	(v) Specify the location of carry pockets/ pouches on the OTV in pictorial representation?	
	(vi) Can the design be customised as per User requirements?	
	(vii) Is the MOLLE system / similar system provided on the vest to attach additional tools or pouches? Specify location on the vest.	
	(viii) What is the thickness of the cushioning between OTV and Armour Panels?	
	(ix) Specify the weight of the Harness/ OTV without Bullet Proof Panels?	
	(x) Any other info deemed useful by you to be also provided.	
	(d) <u>Fabric</u>. Please specify the internationally/ nationally recognised standards against each of the undementioned queries :-	
	(i) Nature of Fabric in BPJ on offer .	
	(ii) If the fabric is Nylon, whether it is Nylon 6 or Nylon 66?	
	(iii) GSM of Fabric being used.	
	(iv) Tensile strength of the fabric used?	
	(v) Tear strength of the fabric used?	
	(vi) Abrasion resistance level of the fabric?	
	(vii) Cut resistance level of the fabric?	
	(viii) Measures incorporated to refine and strengthen the stitching of the complete OTV?	
	(ix) Is the fabric harsh to skin?	
	(x) Is the fabric heat resistant or flame retardant?	
	(xi) Is the fabric water resistant?	
	(xii) Is the fabric UV resistant?	
	(xiii) Whether the fabric, has Anti-bacterial/ Anti-fungal properties, to be retained throughout the service life of the OTV?	
	(xiv) Is the texture of fabric rough or slippery?	
	(xv) Options for colour of the OTV of Bullet Proof Jacket?	
	(xvi) Type of coating on metal and plastic parts, if any.	
	(xvii) Is the fabric being used towards inner side	

Ser No	Question / Specification	Reply
	of the OTV same as exterior layer? If no, provide details of the fabric.	
	(xviii) Any other input deemed useful.	
	(e) <u>Handling.</u>	
	(i) What is the arrangement(s) to carry the BPJ on person when not worn, in terms of carry bag/ <i>carry loop</i> or any other modifications.	
	(ii) Is the BPJ shock proof when dropped from a height of 5ft or more?	
	(iii) Please specify the test standards & test method for drop test on which the BPJ on offer has been tested?	
	(iv) Any specific instructions for handling the BPJ on offer?	
6.	<u>Ergonomics</u>	
	(a) Can a soldier wear, adjust and remove the Bullet Proof Jacket with ease while wearing gloves (Extreme Cold Clothing)?	
	(b) Can the BPJ be worn without assistance by an individual?	
	(c) Do the interiors of the BPJ have sweat absorbing & quick dry properties??	
	(d) Is the inner layer of OTV smell retardant? Please specify applicable test standards/ test methods against which tested.	
	(e) Is the Vest modular & easy to wash?	
	(f) What is the arrangement to ensure adequate air circulation inside the jacket for comfort of the wearer?	
7.	<u>Accessories/ Attachments on Offer.</u>	
	(a) <u>Equal Weight Distribution System (EWDS) or any other similar system.</u>	
	(i) Is the EWDS being offered part of the BPJ on offer?	
	(ii) What is the weight of the EWDS on offer?	
	(iii) What is the material being used in the EWDS on offer?	

Ser No	Question / Specification	Reply
	(iv) What is the design of the EWDS? Attach photographs.	
	(v) Is EWDS designed developed and manufactured indigenously?	
	(vi) Specify maximum weight carriage capability of EWDS?	
	(vii) Specify Service Life (in years).	
	(b) <u>Quick Release System (QRS).</u>	
	(i) Is the QRS being offered in the jacket in order to enable quick removal of the Jacket?	
	(ii) What is the release system on offer on the BPJ? Is it release by pull or push mechanism or any other?	
	(iii) What is the time taken to remove the BPJ?	
	(iv) What is the time taken to wear the BPJ?	
	(v) Specify the weight of QRS?	
	(vi) Specify the material used in QRS?	
	(vii) Is QRS designed developed and manufactured indigenously?	
	(viii) Service life of QRS (in years).	
	(c) <u>Sensors.</u>	
	(i) Are sensors of any kind incorporated in the BPJ on offer?	
	(ii) If yes, please list out the sensors on offer along with its specifications, features and the utility.	
	(iii) Please specify the weight of each sensor attachment being provided.	
	(d) Any other accessory being provided along with Jackets? Provide details.	
	8. <u>Operational & Maintenance.</u>	
	(a) Specify Humidity resilience in relation with the fabric of BPJ OTV.	
	(b) Specify the extreme ranges of :-	
	(i) Operating Temperatures	
	(ii) Storage Temperatures	
	(c) Service life in field condition (in years).	
	(d) Storage life (in years).	
	(e) Will you provide the replacement of attachments/ accessories with the equipment?	

Ser No	Question / Specification	Reply
	(f) What is the warranty being offered? Please specify details for each component.	
	(g) Specify applicable tests to evaluate the life of the fibre being used?	
	(h) Please elaborate the environmental conditions which are detrimental to maintenance of performance of the Armour Panel such as exposure to UV radiations etc.	
	(j) List out the conditions as part of preventive maintenance of Armour panels.	
9.	<u>Engineering Support Package.</u>	
	(a) What is your Maintenance & Repair philosophy ? Please provide a brief on your Maintenance and Repair philosophy in reference to Appendix F of Chapter II of DAP 2020?	
	(b) Will you be providing ' Engineering Support Package ' for life time sustenance, diagnostics and repairs at various echelons?	
	(i) Spares (MRLS) to include subassemblies, if applicable?	
	(ii) Special Maintenance Tools (SMTs), if any, for maintenance and repair related tasks.	
	(iii) Special Test Equipments (STEs)/ Test Jigs, if any, for diagnostics to support maintenance and repair tasks.	
	(iv) Technical literature to include Illustrated Spare Part List (ISPL) and manuals covering all aspects related to operation, maintenance, diagnostics and repairs at various echelons.	
	(v) Inspections standards to ascertain serviceability of equipment as well as its modules/ components.	
	(vi) Is there a requirement of periodic adjustment/ calibration of the equipment or any SMTs/ STEs? If yes, will you provide capability to undertake adjustment/ calibration, as a part of Engineering Support Package?	
	(c) What kind of Product Support are you providing? Is it for the entire service life of the equipment in terms	

Ser No	Question / Specification	Reply
	of spares, SMTs or any other upgrades?	
10.	<u>Category I: (Only Indian Vendors to Reply).</u>	
	(a) <u>Category of Procurement.</u> As per DAP 2020, under which procurement category is your firm willing to participate for supplying the BPJ for IA?	
	(i) Has your firm Indigenously Designed and Developed the BPJ?	
	(ii) If yes, do you have the patent and/or Intellectual Property Rights (IPR) for the indigenous design? Please give details.	
	(iii) Does your firm have the Govt of India licence to manufacture and supply BPJ?	
	(iv) If not, has your firm applied for obtaining licence to manufacture & supply BPJ in India?	
	(v) Do you have the capability to test the equipment or have collaboration with any Foreign/ Indian Lab?	
	(b) In case, your firm is participating under Buy (IDDM) category, please provide necessary certifications as per format given at Appendix 'A' to Chapter- I of DAP 2020.	
	(c) What is the level/percentage of Indigenous Content (in accordance with Appendix 'B' to Chapter- I of DAP 2020) in terms of :-	
	(i) Cost.	
	(ii) Technology.	
	(iii) Raw Material.	
	(iv) Overall content.	
	(d) Do you have a Joint Venture/ collaboration with any foreign OEM or have in-house proven expertise?	
	(e) If you have a Joint Venture/ collaboration with any foreign OEM, please specify and give details as under.	
	(i) Name of the firm/vendor.	

Ser No	Question / Specification	Reply
	(ii) Country.	
	(iii) Previous contract undertaken in terms of: (aa) Quantity supplied. (ab) Vintage of contract. (ac) Details of Buyer (name of agency/ organisation).	
	(f) If you are in a JV / Collaboration with a foreign vendor, is the foreign vendor an OEM or an authorised licensee, design agency or Govt sponsored export agency?	
	(g) If you are in a JV / Collaboration with a foreign vendor, is the foreign vendor ever been suspended or debarred by the MoD?	
	(h) If yes to (g) above, give details.	
	(j) What is the Indigenisation Model proposed by you i.e. maximum level of indigenisation possible/planned?	
	(k) Please specify in terms of percentage of indigenous content and corresponding timelines.	
	(l) Please indicate the Minimum Order Quantity (MOQ) of BPJs for supply.	
11.	<u>Category II : (Foreign Vendors Only)</u> (a) If you are a foreign OEM, do you have any subsidiary firm registered in India? (b) Do you have any joint venture/ collaboration with an Indian firm? Please specify the arrangement too. (c) If yes to (b) above, please specify and give details of the Indian firm as under. (i) Name of the firm/vendor. (ii) Country. (iii) Previous contract undertaken in terms of :	

Ser No	Question / Specification	Reply
	(aa) Quantity supplied. (ab) Vintage of contract. (ac) Details of Buyer.	
	(d) If you intend to carry out production in India, please specify the following:-	
	(i) Terms and conditions for setting up manufacturing facility in India.	
	(ii) What is the envisaged production capability of the manufacturing unit planned to be setup?	
	(iii) Indicate the MOQ of BPJs for supply in order to offer 'Transfer of Technology' to an Indian Production Agency?	
	(iv) In what timeframe is the 'Transfer of Technology' expected to be completed?	
	(v) Apart from the MOQ requirement, are there any other qualifying terms and conditions for Transfer of Technology? If yes, provide details.	
	(e) Are there any export regulations in your country? If yes, specify details? (Buy Global cases).	
12.	<u>Vendor Selection Criteria (Indian Vendors).</u>	
	(a) Is the applicant entity an Indian Vendor as defined at Paragraph 20 of Chapter I of DAP 2020?	
	(b) Has the Applicant Entity or any of its allied entities ever been banned or suspended by MoD/ SHQ or any Government Department or Organisation (as defined in Guidelines for Penalties in Business Dealings with Entities issued vide Ministry of Defence, D(Vigilance) MoD ID No 31013/I/2006-D(Vig) Vol II dated 21 Nov 2016)? None of the Promoters and Directors of applicant entity should be a willful defaulter.	
	(c) Details of vigilance action viz ongoing investigations by any Department/ agency of Central Government may be provided.	

Ser No	Question / Specification	Reply								
	(d) Is the Applicant Entity a Manufacturing Entity or System Integrator or a Trading Company?									
	(e) Does the Company have any previous experience/expertise in this field?									
	(f) Specify the field of expertise/ experience of your company and the duration of experience in years.									
	(g) Specify the turnover and net worth of Company in the last three (03) years.									
	(h) Is the Company under insolvency resolution as per Indian Bankruptcy Code?									
	(j) What is the Credit Rating of the Company equivalent to CRISIL rating?									
	(k) Does the Company qualify under Start Up or MSME Category?									
13.	<u>Commercial Aspects/ Tentative Cost.</u>									
	(a) <u>Tentative Cost.</u>									
	(i) What is the cost of a Medium sized BPJ without accessories excl GST? <table border="1"> <thead> <tr> <th>Option as Ser No 5 (b) of this questionnaire</th><th>Cost (in ₹)</th></tr> </thead> <tbody> <tr> <td>Complete BPJ with Option - I</td><td></td></tr> <tr> <td>Complete BPJ with Option - II</td><td></td></tr> <tr> <td>Complete BPJ with Option - III</td><td></td></tr> </tbody> </table>	Option as Ser No 5 (b) of this questionnaire	Cost (in ₹)	Complete BPJ with Option - I		Complete BPJ with Option - II		Complete BPJ with Option - III		
Option as Ser No 5 (b) of this questionnaire	Cost (in ₹)									
Complete BPJ with Option - I										
Complete BPJ with Option - II										
Complete BPJ with Option - III										
	(ii) What is the cost of each accessory offered (mention per unit cost)?									
	(aa) EWDS									
	(ab) QRS									
	(ac) Sensors, if offered.									
	(iii) What is the cost of technical literature and training on the equipment by the OEM, if any?									
	(iv) What is the tentative cost of Engineering Support Package, if any?									
	(b) Please confirm compliance of 'Terms of Payment' as per provisions of DAP 2020.									

Ser No	Question / Specification	Reply
	(c) What INCOTERMS 2020 are suitable / preferred by your company and for what reasons?	
	(d) <u>Pre-Contract Integrity Pact & Submission of Integrity Pact Bank Guarantee (IPBG).</u> Integrity Pact along with appropriate Bank Guarantees are mandatory requirement as per DAP 2020 . Please confirm that you will be able to comply with these stipulations?	
	(e) What is your preferred mode of shipment of goods to the point of delivery i.e. Ordnance depots?	
14.	<u>Delivery / Production Capability</u>	
	(a) What is your annual production capability of the BPJ on offer?	
	(b) Will you be able to increase the capability with firm orders?	
	(i) If yes, specify quantity and timelines.	
	(ii) What is the recommended 'Delivery Schedule' for quantity 50,000 Bullet Proof Jackets in years from D (date of signing contract).	
15.	<u>Training.</u>	
	(a) What are the training facilities available at OEM/Vendor premises for training?	
	(b) How will you facilitate/ assist in carrying out training of personnels?	
	(c) Can the training on the equipment be facilitated/ conducted by your firm in various army establishments across the country?	
	(d) Nature and duration of training being offered for the User, Maintenance & Quality Assurance personnels?	
	(e) Will the soft copies of User manual be provided along with the BPJ?	
	(f) Will the technical literature along with CBT for trg, usage, technical specifications & maintenance be provided along with the BPJ?	

Ser No	Question / Specification	Reply
16.	<u>Misc</u>	
	(a) Refer Para 14 (b) and (c) of Chapter II of DAP-2020. What all technological upgrades can be incorporated subsequently in the offered BPJ?	
	(b) Is the vendor registered with DGQA for Green Channel Policy, or any other registration?	
	(c) Is the vendor in possession of NATO Stock Number or any other equivalent registration code for the BPJ on offer?	
	(d) Provide outline manufacturing process flow chart.	
	(e) In addition to the queries mentioned above, the vendor is free to put forth any other details/specifications/ regulations/ policies which will assist the Service HQ in formulating the Qualitative Requirements and procurement of BPJs.	

Appendix 'B'

(Refer Para 8 of Cover
Page of RFI for BPJ dated
May 2021)

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 Manufacturer (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 :** _____ **Email :** _____

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 License 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 : Paragraph 44 and Appendix F to Chapter II 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 Manufacturer (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 : _____ **Email :** _____

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 agencies :

Ministry of Defence/Government

Agency	Contract Number	Equipment	Quantity	Cost

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

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 may be referred.

(Authorised Signatory)

Appendix 'C'

(Refer Para 11 of Cover
Page of RFI for BPJ dated
May 2021)

GUIDELINES TO ATTEND VENDOR INTERACTION

1. Vendors interaction on RFI for Bullet Proof Jackets is scheduled on **03 Jun 2021** at **1430hrs**.
2. Vendors are requested to forward the following documents/ details in respect of representatives attending the subject Vendors' interaction for security clearance by **20 May 2021** positively as under :-
 - (a) Details as per format attached (Annuxure I to III).
 - (b) Photocopy of passport/ Aadhaar Card.
 - (c) Photocopy of visa, if foreign agents (only business VISA is accepted).
3. The above documents may please be delivered at the undermentioned address :-

Directorate General of Infantry/ Infantry-8
Room No 403, D-1 Wing,
General Staff Branch
Integrated HQ of MoD (Army)
DHQ PO, New Delhi-110 011
Tele/ Fax No :+91 (11) 23018412
E-mail : suresh1234@nic.in
4. Documents received in this Directorate after 20 May 2021 **will not be entertained**.
5. Modalities of Video Interaction will be shared as a response to your emails on **01 Jun 2021**.

ANNEXURE-I**SECURITY CLEARANCE FOR HOLDING MEETING WITH REPRESENTATIVES
OF FOREIGN FIRMS / THEIR AGENTS***(As per Appx A to Para 8 of MI Dte (MI-10) Note No A/36001/MI-10 dt 09 Nov 2000)*

1.	Sponsoring Branch / Dte		:			
2.	Has the meeting been approved by respective PSO		:			
3.	Level at which the meeting is to take place giving particulars of own offrs participating in it		:			
4.	Purpose and likely duration of the meeting		:			
5.	Particulars of the representatives of Foreign Firms and their local agents		:-			
	(a)	<u>Name</u>	<u>Nationality</u>	<u>Details of Passport</u>	<u>Place of Issue</u>	<u>Validity Period & Date of Issue</u>
	(b)	Particulars of the Firm		:		
	(c)	Status of the representatives or agents :				
	(d)	Address in foreign country :-				
	(e)	Whether previously visited India, if so give details : -				
6.	Any additional information		:			

ANNEXURE-II**ADDITIONAL DATA REQUIRED FROM FOREIGN FIRMS / VENDORS***(As per Appx B to Para 8 of MI Dte (MI-10) Note No A/36001/MI-10 dt 09 Nov 2000)*

1.	Details of Branch / Offices in India :-		
(a)	Name of firm / subsidiary	:	
		:	
		:	
		:	
		:	
(b)	Place and address	:	
(c)	Name and appointment of head of firm / subsidiary	:	
(d)	Tele, Fax and E-mail	:	
2.	Particulars of employees (Indians include ex-servicemen)		:
(a)	Name	:	
(b)	Appointment	:	
(c)	Official / residential address	:	
(d)	Contact point (Tele, Fax & E-mail)	:	
(e)	Brief nature of job	:	
(f)	In case related to any personnel serving in Def Service. Details of personnel related to and his appt	:	
(g)	In case of ex-serviceman following additional details be provided :-	:	
(i)	Rank and Arm / Service	:	
(ii)	Appointment last held	:	
(iii)	Date of retirement	:	
(iv)	Date of employment with the firm	:	
(v)	If related to any personnel serving in Def Service. Details of serving personnel and his present appointment.	:	

ANNEXURE-III
PARTICULARS FOR SECURITY CLEARANCE IN RESPECT OF
INDIAN AGENTS / REPRESENTATIVE OF FOREIGN FIRMS

(As per Appx C to Para 13 of MI Dte (MI-10) Note No A/36001/MI-10 dt 08 Nov 2000)

1.	Name		3.	Date of Employment and Appointment	
	(a)		:		
2.	Official / Residential Address incl Tele No, Fax and E-mail		:		
	<u>Ser No</u>	<u>Name</u>	<u>Official Addincl Tele No, Fax and E-mail</u>		<u>Home Address incl Tele No, Fax and E-mail</u>
	(a)				
3.	Brief Nature of Job				
	<u>Ser No</u>	<u>Name</u>	<u>Company</u>	<u>Nature of Job</u>	
	(a)				
4.	In case known / related to any person serving in Def Services				
	(a) Details of Person		NA		
	(b) Present Appt				
5.	In case of Ex-servicemen (following additional details may be provided)				
(a)	Rank and Arm/Service prior to retirement		:		
(b)	Appointment last held		:		
(c)	Date of retirement from service		:		
6.	In case of collaboration :-		:		
	(a)	Details of his business entity (i.e, whether functioning as individual, partnership or a private ltd coy etc)	:		
	(b)	Since when established	:		
	(c)	Registered address of the company	:		
	(d)	Name and Address of Directors, Chief executive and executives of the company specifically indicating those who are retired civilians or def service offrs	:		
7.	Whether the individual has paid income tax since commencing business / joining the company		:		
8.	Permanent income tax account No		:		
9.	Name, account No and address of bankers within and outside the country		:		
10.	Attested photocopies of agreement, including supplementary agreements covering appointment as representative and terms relating there to		:		
11.	Concurrence of the officer being visited that presence of representative / agent during meeting / presentation / trials is inescapable.		:		
12.	It is certified that the visit of foreign vendor including Indian representative is in accordance with Min of Def ID No 2250-B/JS (O) 89 dt 17 Apr 89.		:		