



Directorate of Indigenous
Technical Development (South)
ITD Wing, Naval Research & Development
Institute (NRDI)
at NSSD Area West Wharf Road
KARACHI

Tel: 021-48508410
Fax: 021-99214765
Email: ditd-s@paknavy.gov.pk

TD/2400/8/SMG & PISTOL/24/ 161

On PPRA Website

21 Jan 25

**INVITATION TO TENDER – INDIGENOUS DEVELOPMENT OF REPLICA OF 7.62MM SMG
AND REPLICA OF 9MM GLOCK-19 PISTOL**

1. Pakistan Navy is interested in indigenous development of under mentioned items. Firms are being invited to forward technical and budgetary proposal for manufacturing of said replicas. In proposal, third party involvement/ outsourcing must be highlighted with detailed scope of work to be undertaken from the third party. Details of required items to be developed are appended below:

S NO	DESCRIPTION OF ITEM	QTY	SPECIFICATIONS
a.	Replica of 7.62mm SMG	200	Specifications are appended at Annexes A, B and C.
b.	Replica of 9mm Glock-19 Pistol	200	

2. Firms are requested to furnish the under mentioned mandatory information (as applicable) in your quotation. Otherwise, the quotation will not be entertained:

- The firm's Sales Tax Registration Number/ Professional Tax Certificate.
- Development cost i.e Qty 400 including 18% GST (cost breakdown w.r.t items).
- Terms & Conditions for payments (whether advance payment, required/ not required).
- Previous experience of developing similar products/ projects.
- Experience of the company with defence organizations and especially PN/ ITD (registration letter to be furnished if registered with defence organizations).

3. The offer is to be submitted in duplicate as under:

- Three 'envelopes' containing Commercial Offer (figures as well as in words), Technical Offer and Tender Fee should be enclosed in one cover/ envelope, properly sealed, bearing the address of this office clearly marked 'Quotation for Indigenous Development of Replica of 7.62mm SMG and Replica of 9mm Glock-19 Pistol Tender No and date of opening'.

(1) PPRA Rules Para 36b(i) "The bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal".

- Technical Offer:** The Technical Offer should contain all relevant specifications along with technical literature/ brochure in an envelope and shall be clearly marked as 'TECHNICAL PROPOSAL' without price, tender number and date of opening. Technical proposal is to be made as per the guidelines contained in Annexes A, B and C to this letter,

while including the following:

- (1) Methodology of Development.
- (2) Warranty period minimum for 12 Months.
- (3) Validity of quotation minimum for 06 months.
- (4) Mutated copy of earnest money Pay Order/ Demand Draft.
- (5) Project plan is to be provided with time lines preferably in MS Project format. Same is to be submitted along with Technical Proposal.
- (6) Availability/ supportability minimum for 05 years.

c. **Feasibility Study:** A detailed feasibility study of the Replica of 7.62mm SMG and Replica of 9mm Glock-19 Pistol to be undertaken by firms and comprehensive report including but not limited to technical drawings, design & dimension is to be submitted along with the technical offer/ proposal against IT. Proposals without feasibility study/ design will not be accepted.

d. **Commercial Offer:** The Commercial Offer should include price quoted in figures as well as in words. The contents 'Commercial Offer' should be clearly marked on the envelope with tender number and the date of opening. Separate commercial offer for following is required:

e. **Tender Fee (non-refundable):** Pay Order/ Bank Draft is to be enclosed in a separate envelope clearly marked 'Tender Fee of Replica of 7.62mm SMG and Replica of 9mm Glock-19 Pistol in respect of "Directorate of Indigenous Technical Development Registration and Indexation Account (Account No. 4000039556 NBP, Avari Towers Branch, Karachi)" amounting on following rates:-

S No	Project Cost	Tender fees
(1)	For total estimated project cost under Rs 0.49 M	Rs. 2,500/-
(2)	For total estimated project cost from Rs 0.5 M upto 0.99 M	Rs. 4,500/-
(3)	For total estimated project cost from Rs 1 M upto 2.49 M	Rs. 7,500/-
(4)	For total estimated project cost from Rs 2.5 M upto 4.99 M	Rs. 15,000/-
(5)	For total estimated project cost Rs 5 M or more	Rs. 23,000/-

f. Cheque, Pay-in-Slip and Cash are not acceptable. Tender fee is non-refundable. Offers submitted without tender fee will not be considered in tendering process.

g. **Earnest Money (Refundable):** Earnest money in shape of Pay Order/ Demand Draft in favor of 'The Controller of Naval Accounts, 14 Liaquat Barracks, Karachi' must be submitted along with the commercial offer without which no tender will be accepted. The amount of earnest money is given as under:

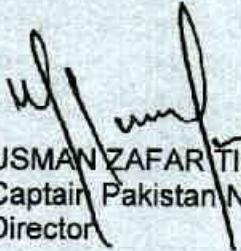
- (1) The firms registered with DITD/ PN will submit 2% of the quoted value subject to maximum ceiling of Rs. 0.500 Million PKR.
- (2) The firms non-registered with DITD/ PN will submit 5% of the quoted value subject to maximum ceiling of Rs. 1.000 Million PKR.

Note: Mutated photocopy of earnest money (price may not be visible) is to be provided in technical offer envelope.

4. Offers are to be dropped (not later than 1100 hours on **07 February 2025** in the Tender Box placed at ITD Wing (NRDI) or alternatively be send on mail address as follows:

Directorate of Indigenous Technical Development (South)
ITD Wing, Naval Research & Development Institute (NRDI)
at NSSD Area, West Wharf Road
KARACHI
Contact No: 021-48508410

5. Technical offer i.e. without price will be opened on **07 February 2025** at 1130 hours. Commercial offers will be opened exclusively for firms that are found technically suitable after thorough scrutiny.
6. Firm will be required to develop required items as per specifications mentioned at Annexes A, B and C. Developing firm is to arrange inspections to be undertaken by ITD Wing & reps of end user during development process.
7. The Development Contract for local development will be awarded after approval of the case by the Competent Financial Authority.
8. Point of contact for subject project in case of any query or further correspondence is Lt Hussnain Afzal PN (Tel No: 021-48509401).
9. Special Instructions are as under:
 - a. Developer is to clearly mention against each clause his reply regarding conformance or otherwise of that clause in 'Developer Remarks' column. The general remarks that 'all technical or contractual clauses are acceptable' will not be considered sufficient for technical scrutiny. The offers not conforming to the given format will be technically knocked out. The developer is to provide relevant details of all items being imported for development of project clearly mentioning the origin of items/ parts.
 - b. Tender document and its conditions may please be read point by point and understood properly before quoting. All tender conditions should be responded clearly. In case of any deviation due to non-acceptance of tender conditions, the same should be highlighted along with your changed offer/ conditions.
 - c. Tender may however, be liable to rejection due to non-acceptance of any one or more conditions outlined by Purchaser in this IT.
 - d. Tender opening date will not be extended.


USMAN ZAFAR/TI(M)
Captain Pakistan Navy
Director

Annexes:

- A. Technical Specifications and General Requirements of Replica of 7.62mm SMG and Replica of 9mm Glock-19 Pistol.
- B. User Requirement Document (URD) of Replica of 7.62mm SMG.
- C. User Requirement Document (URD) of Replica of 9mm Glock-19 Pistol.

SPECIFICATIONS AND GENERAL REQUIREMENTS – REPLICA OF 7.62MM SMG AND REPLICA OF 9MM GLOCK-19 PISTOL

INTRODUCTIONS. The Replica of 7.62mm SMG and Replica of 9mm Glock-19 Pistol are required for training purposes, in order to prevent actual items being damaged.

S NO	SPECIFICATIONS/ REQUIREMENTS	MANUFACTURER'S REMARKS (COMPLIED/ NOT COMPLIED)
1.	<p><u>Development Requirements/ Technical Specifications</u></p> <p>Detailed user requirement and technical data/ specifications for the indigenous development of Replica of 7.62mm SMG is attached at Annex B and Replica of 9mm Glock-19 Pistol is attached at Annex C.</p>	
2.	<p><u>Maintainability Requirement</u></p> <p>This items should contain the following:</p> <p>a. Components shall be made using appropriate compiler as needed by R & D team of the firm with mutual concurrence of user.</p> <p>b. Replica of 7.62mm SMG and Replica of 9mm Glock-19 Pistol should be easy to maintain.</p> <p>c. Maintenance support/ life supportability (maintenances/ spares support) and up gradation should be assured till at least 15 years of life.</p> <p>d. Training/ technical assistance in maintenance/ usage of Replica of 7.62mm SMG and Replica of 9mm Glock-19 Pistol are to be provided by the developer.</p> <p>e. Continued spare supportability is to be ensured for sustained operational availability of the system. Moreover, complete documentation of the system including technical and operation manual is to be provided in CDs as well (if applicable).</p> <p>f. Installed components should be easily accessible for removal/ installation for Replica of 7.62mm SMG and Replica of 9mm Glock-19 Pistol.</p>	
3.	<p><u>Operating Parameters.</u> Operating parameters of Replica of 7.62mm SMG should be as per Annex B and Replica of 9mm Glock-19 Pistol as per Annex C.</p>	
4.	<p><u>Material Specification.</u></p> <p>As per attached specifications at Annexes B & C and as per Marine Standard. Material conformation certificate to this affect is also to be provided by the firm. Same will also be confirmed/ verified from PNCTA/ NAI0 Lab by PN.</p>	
5.	<p><u>Design Requirement/ Criteria for Indigenous development.</u></p>	

	Design details are to be proposed by the offering firm in technical offer based on information provided at Annexes B & C (Reference drawings are enclosed).	
6.	<p><u>Documents/ Drawings:</u> Following documentation (wherever applicable) should be provided by the developer. Moreover, template for the operator, maintenance manuals and IPC will be provided prior finalization of the contract:</p> <p>a. <u>Operation & Maintenance Manual.</u> This should include technical data/ specifications, standards used, structure and working principle, operation, preventive maintenance and corrective maintenance guidelines.</p> <p>b. <u>Illustrated Part Catalogue (IPC).</u> Detailed view of assemblies and sub-assemblies along with identification of all accessories/ wiring/ components should be provided for future use.</p> <p>c. <u>Standards.</u> The developer is to provide the copies of all standards (in English) referred to or used for development of the equipment and its accessories.</p> <p>d. <u>Critical Spares List.</u> Firm will provide critical spares parts list for onboard and Depot level at the time of product delivery (if applicable).</p>	
7.	<p><u>Environmental Condition.</u></p> <p>Corrosion resistant material is to be used for complete structure. All other equipment should be installed having low maintenance requirement and high reliability. IP rating of the equipment/ parts is to be clearly mentioned (if applicable).</p>	
8.	<p><u>Feasibility Study.</u></p> <p>A detailed feasibility study report of the Project along with technical offer indicating details pertaining to the proposed solution (as desired each component) in light of user requirement. Proposals without feasibility study/ design will not be accepted.</p>	
9.	<p><u>Delivery Schedule.</u></p> <p>Developer will deliver all stores/ equipment/ items preferable within 12 months of Contract Effective Date (CED) i.a.w contractual specifications/ requirements. Extension of delivery schedule shall remain the exclusive discretion of DITD (S).</p>	
10.	<p><u>Stage Inspections.</u></p> <p>The firm will allow PAC committee/ end user or nominated member by PN to carry out stage inspections to monitor the progress of the work, on 'As & When Required' basis, to verify materials and quality of components being used. Schedule for</p>	

	stage inspections will be formulated at later stages and will form part of the contract.	
11.	<p><u>Packing Standard.</u></p> <p>a. The equipment shall be packed as per standard trade packing worthy for transportation by rail/ road or by air so as to ensure free from loss or damages on arrival at the ultimate destination.</p> <p>b. A packing note, showing the following details, should be placed on package:</p> <ol style="list-style-type: none"> (1) Manufacturer Part No. (2) Serial Number of Transportation Container. (3) Full nomenclature/ description. (4) Contract number. (5) Date of packing. (6) Special storage environment/ conditions, if any. <p>c. All stores should be marked with broad arrow pointing upwards, by stamping, painting or tallying. Each individual item of stores must bear the pattern number to facilitate identification.</p>	
12.	<p><u>Terms & Conditions for Payments.</u></p> <p>a. Standard payment terms; 90% payment will be made on successful completion of the project and 10% upon completion of warranty period.</p> <p style="text-align: center;">Or</p> <p style="text-align: center;">Payment terms be mutually agreed.</p> <p>b. In case the developing firm desires to get advance payment against BG, payment terms will be as under:</p> <ol style="list-style-type: none"> (1) 20% advance payment against ABG for an equivalent amount valid up to completion of project. (2) 70% payment on delivery/ acceptance. (3) 10% payment upon completion of warranty period. <p>c. The developer has the provision to receive 10% final payment on completion of the project against submission of BG for equivalent amount which will be released upon completion of warranty period.</p>	
13.	<p><u>Warranty/ Guarantee.</u></p> <p>Warranty/ Guaranty of 01 year after final acceptance of the equipment/ items.</p>	
14.	<p><u>Validity of Quotation.</u></p> <p>The validity of quotation should not be less than 06 months.</p>	

15.	<p><u>Miscellaneous Requirements.</u> The firm will furnish the under mentioned information along with the Technical Offer:</p> <p>a. The firm's Sales Tax Registration Number (including Filer/ Non Filer Status).</p> <p>b. Valid National Tax Number (NTN).</p> <p>c. Professional Tax Certificate (held/ not held).</p> <p>d. Terms & Conditions for payments (whether advance payment, required/ not required).</p> <p>e. The developer is to provide cost breakdown of financial aspects of the entire project including but not limited to following as part of Commercial offer:</p> <p>(1) Cost of complete documentation including operation/ maintenance/ manuals etc.</p> <p>(2) Cost of onboard spares, if any.</p> <p>(3) Cost of maintenance tools/ equipment etc, if any.</p> <p>(4) Any other cost.</p>	

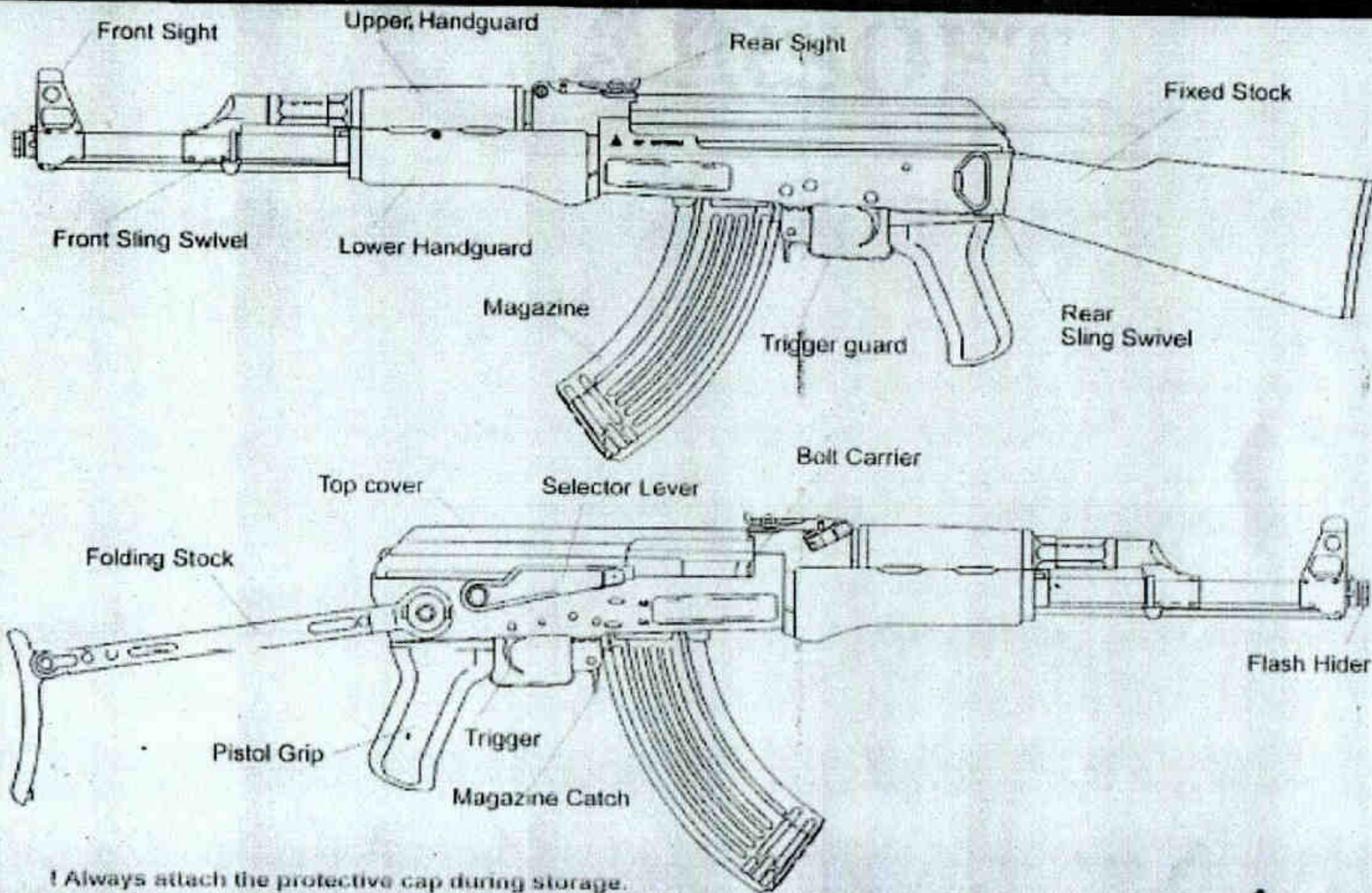
USER REQUIREMENT DOCUMENT (URD) – REPLICA OF 7.62MM SMG

S No	User Requirements/ Specifications	Manufacturer's Remarks (Complied/ Not Complied)
1.	<u>Introduction</u> The Replica of 7.62mm SMG is required for training purpose, in order to prevent actual 7.62mm SMG from being damaged.	
2.	<u>Requisite Functionalities</u> No functionalities are required; however, replica of 7.62mm SMG and all associated fittings should be hard thermoplastic with metal reinforcement material with following specifications: a. Material: Hard Thermoplastic with Metal reinforcement. b. Weight: 3.81 Kg c. Colour: Black d. Density: 1.04 g/cm ³ e. Heat Resistance: 240°C f. Life Cycle: Life cycle should be atleast 15 years.	
3.	<u>Details of the requirement i.e. need/ usefulness, reason for indigenous development</u> The Replica of 7.62mm SMG is required for training purpose, in order to prevent actual 7.62mm SMG from being damaged.	
4.	<u>Available reference documentation, specifications, layouts, drawings and relevant operational/ technical details</u> Original 7.62mm SMG with manual is available.	
5.	<u>Training Requirements:</u> Nil	
6.	<u>System Software (where applicable)</u> N/A	
7.	<u>Technical Assistance</u> N/A	
8.	<u>Acceptance Criteria</u> Breaking and operating strength of replica should be international standard. The replica should be roughly used during training.	
9.	<u>ILS Requirement (where applicable)</u> N/A	
10.	<u>Warranty</u> 01 x Year	
11.	<u>Any other detail/ requirement deemed necessary by the user</u> N/A	

USER REQUIREMENT DOCUMENT (URD) – REPLICA OF 9MM GLOCK-19 PISTOL

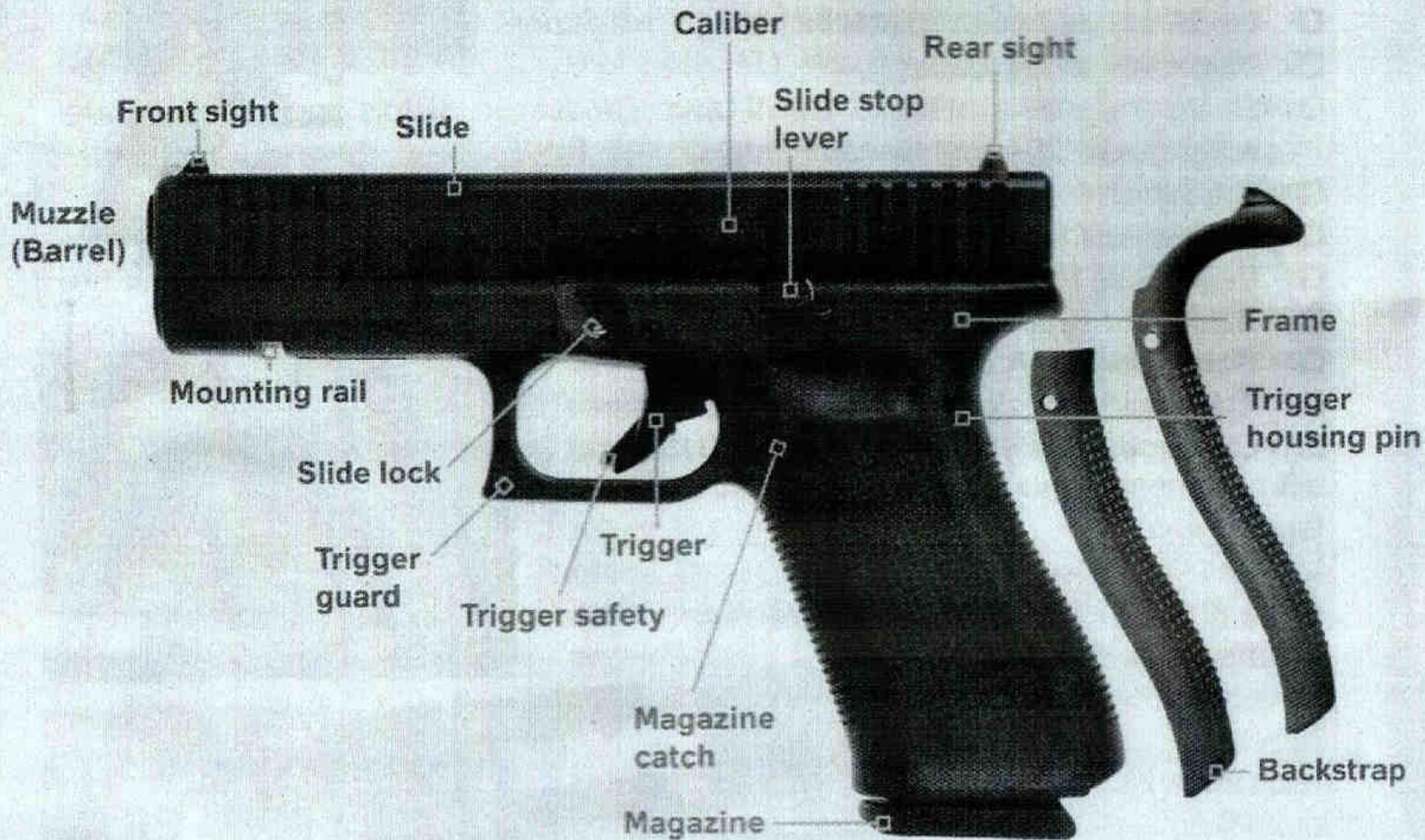
S No	User Requirements/ Specifications	Manufacturer's Remarks (Complied/ Not Complied)
1.	<u>Introduction</u> The Replica of 9mm Glock-19 pistol is required for training purpose, in order to prevent actual Glock-19 pistols from being damaged.	
2.	<u>Requisite Functionalities</u> No functionalities are required; however, replica of 9mm Glock-19 pistol and all associated fittings should be, hard thermoplastic with metal reinforcement material with following specifications: a. Material: Hard Thermoplastic with Metal reinforcement. b. Weight: 855 grams c. Colour: Black d. Density: 1.04 g/cm ³ e. Heat Resistance: 240°C f. Life Cycle: Life cycle should be atleast 15 years.	
3.	<u>Details of the requirement, i.e. need/ usefulness, reason for indigenous development.</u> The Replica of Glock-19 Pistol is required for training purpose, in order to prevent actual 9mm Glock-19 Pistols from being damaged.	
4.	<u>Available reference documentation, specifications, layouts, drawings and relevant operational/ technical details</u> Original Glock-19 Pistol with manual is available.	
5.	<u>Training Requirements:</u> Nil	
6.	<u>System Software (where applicable)</u> N/A	
7.	<u>Technical Assistance</u> N/A	
8.	<u>Acceptance Criteria</u> Breaking and operating strength of replica should be international standard. The replica should be roughly used during training	
9.	<u>ILS Requirement (where applicable)</u> N/A	
10.	<u>Warranty</u> 01 x Year	
11.	<u>Any other detail/ requirement deemed necessary by the user</u> N/A	

Component Names



! Always attach the protective cap during storage.

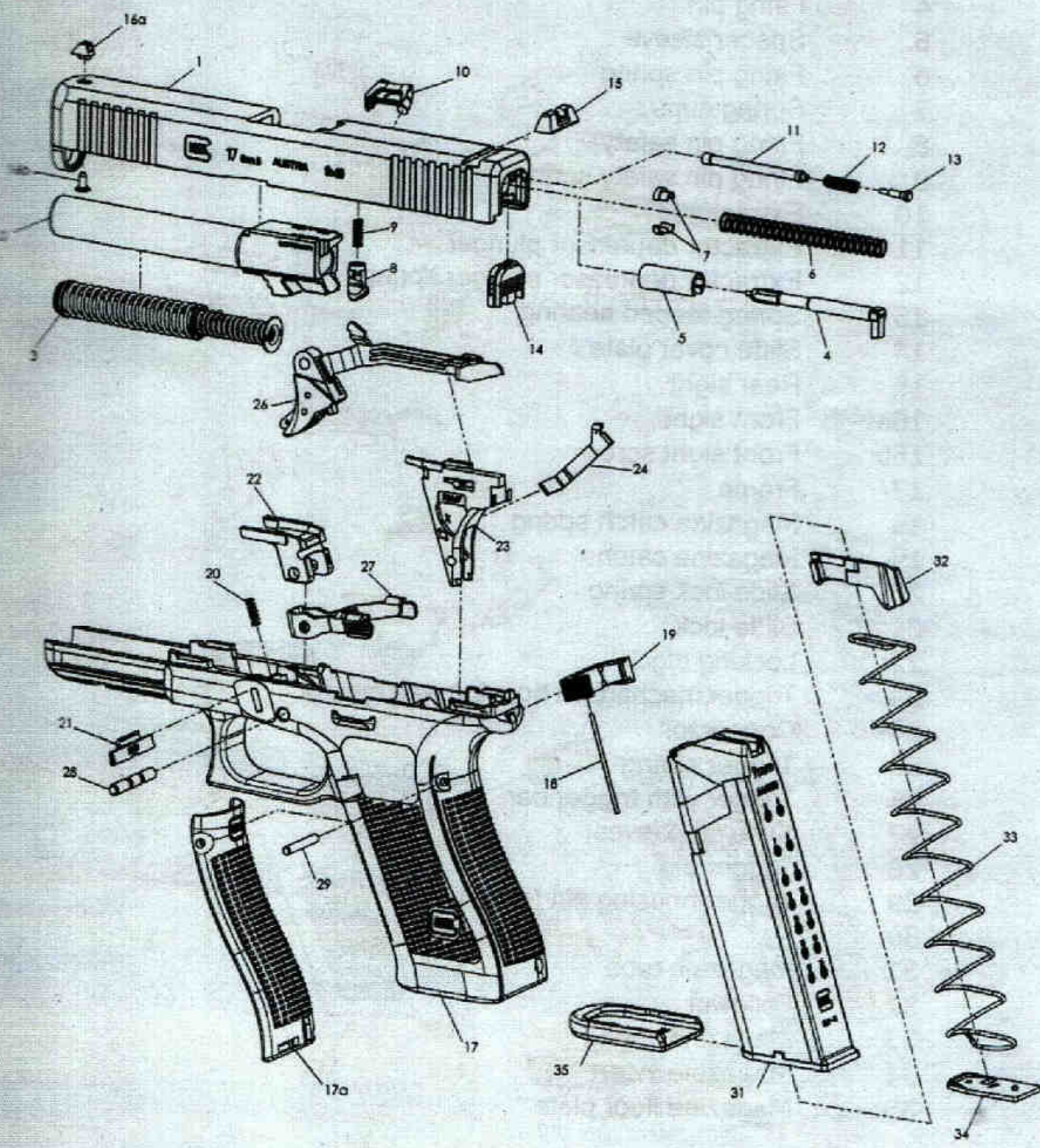
III. Pistol nomenclature



XVI. Technical data

TRIGGER PULL (~)	N lbs	28 6.3	26 5.8	28 6.3	26 5.8	28 6.3						
TRIGGER TRAVEL (~)	mm inch	12.5 0.49										
WEIGHT LOADED (~)	g oz	915 32.28	945 33.33	910 32.10	875 34.39	1058 37.32	940 33.16	1000 35.27				
WEIGHT INCL. MAGAZINE	g oz	705 24.87	708 24.97	700 24.69	725 25.57	806 28.43	740 26.10	815 28.75				
MAGAZINE CAPACITY	rounds	17			15			10				
BARREL RIFLING		6					8					
LENGTH OF TWIST	mm inch	250 9.84				400 15.75	250 9.84	400 15.75				
BARREL LENGTH	mm inch	114 4.49										
SIGHT RADIUS	mm inch	165 6.50	169 6.65	165 6.50	164 6.46	165 6.50						
HEIGHT INCL. MAGAZINE	mm inch	139 5.47				140 5.51	139 5.47					
SLIDE WIDTH	mm inch	25.5 1.00			27.5 1.08		25.5 1.00	28.5 1.12				
WIDTH (OVERALL)	mm inch	32 1.26	34 1.34	32 1.26	34 1.34	32 1.26	33 1.30					
SLIDE LENGTH COMPLETE	mm inch	186 7.32										
LENGTH (OVERALL)	mm inch	204 8.03	202 7.95	204 8.03	202 7.95	204 8.03	202 7.95	204 8.03				
CALIBER		9x19			.40		.357	.45 GAP				
MODEL		G17	G17 Gen4 [™]	G17 Gen5 [™]	G17C Gen4	G22	G22 Gen4	G22 Gen5 [™]	G31	G31 Gen4	G37	G37 Gen4

STANDARD



35. **Announcement of evaluation reports.-**

*Based on the procedure adopted for the respective procurement, the procuring agency shall announce the result of bid evaluation, in the form of final evaluation report giving justification for acceptance or rejection of bids at least fifteen days prior to the award of procurement contract:

Provided that in case where technical proposal is to be evaluated separately, prior to opening of financial proposal, the technical evaluation report shall be announced before opening of the financial proposal.

36. **Procedures of open competitive bidding.-**

Save as otherwise provided in these rules the following procedures shall be permissible for open competitive bidding, namely:-

(a) Single stage - one envelope procedure.-

Each bid shall comprise one single envelope containing, separately, financial proposal and technical proposal (if any). All bids received shall be opened and evaluated in the manner prescribed in the bidding document.

(b) Single stage - two envelope procedure.-

- (i) The bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal;
- (ii) the envelopes shall be marked as "FINANCIAL PROPOSAL" and "TECHNICAL PROPOSAL" in bold and legible letters to avoid confusion;
- (iii) initially, only the envelope marked "TECHNICAL PROPOSAL" shall be opened;
- (iv) the envelope marked as "FINANCIAL PROPOSAL" shall be retained in the custody of the procuring agency without being opened;

- (v) the procuring agency shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements;
 - (vi) during the technical evaluation no amendments in the technical proposal shall be permitted;
 - (vii) the financial proposals of bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
 - (viii) after the evaluation and approval of the technical proposal the procuring agency, shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only. The financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders; and
 - (ix) the bid found to be the *most advantageous bid shall be accepted.
- (c) Two stage bidding procedure.-

First stage

- (i) the bidders shall first submit, according to the required specifications, a technical proposal without price;
- (ii) the technical proposal shall be evaluated in accordance with the specified evaluation criteria and may be discussed with the bidders regarding any deficiencies and unsatisfactory technical features;
- (iii) after such discussions, all the bidders shall be permitted to revise their respective technical proposals to meet the requirements of the procuring agency;
- (iv) the procuring agency may revise, delete, modify or add any aspect of the technical requirements or evaluation criteria, or it may add new requirements or criteria not inconsistent with these rules:

Provided that such revisions, deletions, modifications or additions are communicated to all the bidders equally at the time of invitation to submit final bids, and that sufficient time is allowed to the bidders to prepare their revised bids:

HBL

HABIB BANK

حیب بینک

Deposit Slip

Customer Copy

Branch:										Date: 20012025									
Account Title: <i>PPRA</i>																			
IBAN:		PK		HABIB		0004540013100701													
Currency: <input checked="" type="checkbox"/> PKR <input type="checkbox"/> USD <input type="checkbox"/> EURO <input type="checkbox"/> GBP <input type="checkbox"/> JPY <input type="checkbox"/> Others										<input type="checkbox"/> Intercity <input type="checkbox"/> Within city <input type="checkbox"/> Same Branch									
Credit Card No.																			
<input type="checkbox"/> CASH															AMOUNT				
BANK / BRANCH										CHEQUE / INSTRUMENT NO.					15575/-				
										TOTAL AMOUNT					15575/-				
Total Amount in Words: <i>Fifteen Thousand Five hundred Seventy Five only</i>																			
										Commission (if any)									
Depositor's Name: <i>M. SHAIK</i>										Online Cash Deposit									
Contact No.: <i>03003997730</i>										Branch: 0040-WEET WHARF, KARACHI									
Depositor's CNIC No.: <i>9200026291344-9</i>										Account: PUBLIC PROCUREM Date: 2025-01-20									
(For non-HBL/Walk-in Customers. Also attach CNIC Copy)										IBAN: PK17HAB9004540013100701									
Depositor's Account No.:										Amount: *****15,575.00-PKR									
(For HBL Customers / Account Holders)										Charges: *****719.00									
										Teller: 5147 89 Time: 13:29:45.436000									
Received By: <i>M. Shaiq</i>										Depositor's Signature: <i>M. Shaiq</i>									
										(As per Terms & Conditions on reverse) (Not official unless validated)									

34325275