

TD/2400/8/SMG & PISTOL/24/67 4

On PPRA Website

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

14 Apr 25

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

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:

SNO	DESCRIPTION OF ITEM	QTY	SPECIFICATIONS
a.	Replica of 7.62mm SMG	200	Specifications are appended at
b.	Replica of 9mm Glock-19 Pistol	200	Annexes A, B and C.

- 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).
 - c. Terms & Conditions for payments (whether advance payment, required/ not required).
 - d. 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).
- The offer is to be submitted in duplicate as under.
 - a. 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 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".
 - b. <u>Technical Offer:</u> 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. <u>Feasibility Study</u>: A detailed feasibility study of the Replica of 7.62mm SMG and 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. <u>Commercial Offer:</u> 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. <u>Tender Fee (non-refundable):</u> Pay Order/ Bank Draft is to be enclosed in a separate envelope clearly marked 'Tender Fee of Replica of 7.62mm SMG and 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. <u>Earnest Money (Refundable)</u>: 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 <u>02 May 2025</u> 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

- Technical offer i.e. without price will be opened on <u>02 May 2025</u> at 1130 hours. Commercial
 offers will be opened exclusively for firms that are found technically suitable after thorough scrutiny.
- 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.
- The Development Contract for local development will be awarded after approval of the case by the Competent Financial Authority.
- Point of contact for subject project in case of any query or further correspondence is Lt Hussnain Afzal PN (Tel No: 021-48509401).
- 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.
 - Tender may however, be liable to rejection due to non-acceptance of any one or more conditions outlined by Purchaser in this IT.

Tender opening date will not be extended.

USMAN ZAFAR N(M) Captain Pakistan Navy

Director

Annexes:

- A. Technical Specifications and General Requirements of Replica of 7.62mm SMG and 9mm Glock-19 Pistol.
- User Requirement Document (URD) of Replica of 7.62mm SMG.
- C. User Requirement Document (URD) of Replica of 9mm Glock-19 Pistol.
- D. Test Trials Procedures and Acceptance Criteria of Replica of 7.62mm SMG and 9mm Glock-19 Pistol.

ANNEX A TO DITD (S) LETTER
TD/2400/8/SMG & PISTOL/24/ 674
DATED 14 APRIL 2025

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

INTRODUCTIONS. The Replica of 7.62mm SMG and 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.	Development Requirements/ Technical Specifications	
	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.	
2.	Maintainability Requirement	
	This items should contain the following:	
	 a. Components shall be made using appropriate compiler as needed by R & D team of the firm with mutual concurrence of user. 	
	 Replica of 7.62mm SMG and 9mm Glock-19 Pistol should be easy to maintain. 	
	 Maintenance support/ life supportability (maintenances/ spares support) and up gradation should be assured till at least 15 years of life. 	
	d. Training/ technical assistance in maintenance/ usage of Replica of 7.62mm SMG and 9mm Glock-19 Pistol are to be provided by the developer.	
	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).	
	f. Installed components should be easily accessible for removal/ installation for Replica of 7.62mm SMG of 9mm Glock-19 Pistol.	
3.	Operating Parameters. 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.	
4.	Material Specification.	LINE WAS DON'T
	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/ NAIO Lab by PN.	
5.	Design Requirement/ Criteria for Indigenous development.	

N.S	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).	MALE DE
6.	Documents/ Drawings: 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: a. Operation & Maintenance Manual. This should include technical data/ specifications, standards used, structure and working principle, operation, preventive maintenance and corrective maintenance guidelines.	
	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.	
	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.	
	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).	
7.	Environmental Condition.	The state of the s
	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).	
8.	Feasibility Study.	The Later of the L
	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.	
9.	Delivery Schedule.	THE PARTY OF
	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).	
10.	Stage Inspections.	
35	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	

	part of the contract.	
11.	Packing Standard.	
	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.	
	b. A packing note, showing the following details, should be placed on package:	
	(1) Manufacturer Part No. (2) Serial Number of Transportation Container. (3) Full nomenclature/ description. (4) Contract number. (5) Date of packing.	
	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.	
12.	Terms & Conditions for Payments.	233 KINE
	Standard payment terms; 90% payment will be made on successful completion of the project and 10% upon completion of warranty period. Or	
	Payment terms may be mutually agreed between firm and PN at the time of contract negotiations.	
	b. 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.	
13.	Warranty/ Guarantee.	
	Warranty/ Guaranty of 01 year after final acceptance of the equipment/ items.	
14.	Validity of Quotation.	
	The validity of quotation should not be less than 06 months.	
15.	Miscellaneous Requirements. The firm will furnish the under mentioned information along with the Technical Offer:	
	a. The firm's Sales Tax Registration Number (including Filer/ Non Filer Status).	
	b. Valid National Tax Number (NTN).	
	c. Professional Tax Certificate (held/ not held).	

d. Terms & Conditions for payments (whether advance payment, required/ not required).
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:
(1) Cost of complete documentation including operation/ maintenance/ manuals etc. (2) Cost of onboard spares, if any. (3) Cost of maintenance tools/ equipment etc, if any. (4) Any other cost.

ANNEX B TO DITD (S) LETTER
TD/2400/8/SMG & PISTOL/24/674
DATED 14 APRIL 2025

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

S No	User Requirements/ Specifications	Manufacturer's Remarks (Complied/ Not Complied)				
1.	Introduction The Replica of 7.62mm SMG is required for training purpose, in order to prevent actual 7.62mm SMG from being damaged.					
	Requisite Functionalities 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:					
2.	a. Material: Hard Thermoplastic with Metal reinforcement. b. Weight: 3.81 Kg c. Colour: Black d. Density: 1.04 g/cm³ e. Heat Resistance: 240°C					
	f. Life Cycle: Life cycle should be atleast 15 years.					
3.	Details of the requirement i.e. need/ usefulness, reason for indigenous development The Replica of 7.62mm SMG is required for training purpose, in order to prevent actual 7.62mm SMG from being damaged.					
4.	Available reference documentation, specifications, layouts, drawings and relevant operational/ technical details Original 7.62mm SMG with manual is available.					
5.	Training Requirements: Nil					
6.	System Software (where applicable) N/A					
7.	Technical Assistance N/A					
8.	Acceptance Criteria Breaking and operating strength of replica should be international standard. The replica should be roughly used during training. Detailed acceptance criteria is attached as Annex D.					
9.	ILS Requirement (where applicable) N/A					
10.	Warranty 01 x Year					
11.	Any other detail/ requirement deemed necessary by the user: Following requirements to be included in URD at the time of contracting: a. Folding Butt mechanism to be installed in SMG replica. b. Sling points to be attached along with the frame of SMG replica. c. Frame of replica of SMG will be of stainless steel. d. Slings to be provided with each SMG replica. e. Replica of SMG to be delivered in a cardboard box. f. One year damage replacement warranty will be provided for each replica of SMG. g. 10 x prototypes of SMG replica to be provided prior to final shipment.					

ANNEX C TO DITD (S) LETTER
TD/2400/8/SMG & PISTOL/24/6-) 4
DATED 14 APRIL 2025

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

S No	User Requirements/ Specifications	Manufacturer's Remarks (Complied/ Not Complied)					
1.	Introduction The Replica of 9mm Glock-19 pistol is required for training purpose, in order to prevent actual Glock-19 pistols from being damaged.						
A THE PERSON	Requisite Functionalities 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:						
2.	a. Material: Hard Thermoplastic with Metal reinforcement.						
	b. Weight 855 grams c. Colour: Black	S. D. Maria					
	d. Density: 1.04 g/cm ³	THE PERSON					
	e. Heat Resistance: 240°C	The same					
	f. Life Cycle: Life cycle should be atleast 15 years.						
3.	Details of the requirement, i.e. need/ usefulness, reason for indigenous development. The Replica of Glock-19 Pistol is required for training purpose, in order to prevent actual 9mm Glock-19 Pistols from being damaged.						
4.	Available reference documentation, specifications, layouts, drawings and relevant operational/ technical details. Original Glock-19 Pistol with manual is available.						
5.	Training Requirements: Nil						
6.	System Software (where applicable) N/A						
7.	Technical Assistance N/A						
8.	Acceptance Criteria Breaking and operating strength of replica should be international standard. The replica should be roughly used during training. Detailed acceptance criteria is attached as Annex D.						
9.	ILS Requirement (where applicable) N/A						
10.	Warranty 01 x Year						
11.	Any other detail/ requirement deemed necessary by the user: Following requirements to be included in URD at the time of contracting: a. Frame of replica of Glock will be of stainless steel.						
	Beplica of Glock to be delivered in a cardboard box. One year damage replacement warranty will be provided for each replica of Glock. 10 x prototypes of Glock replica to be provided prior to final shipment.						

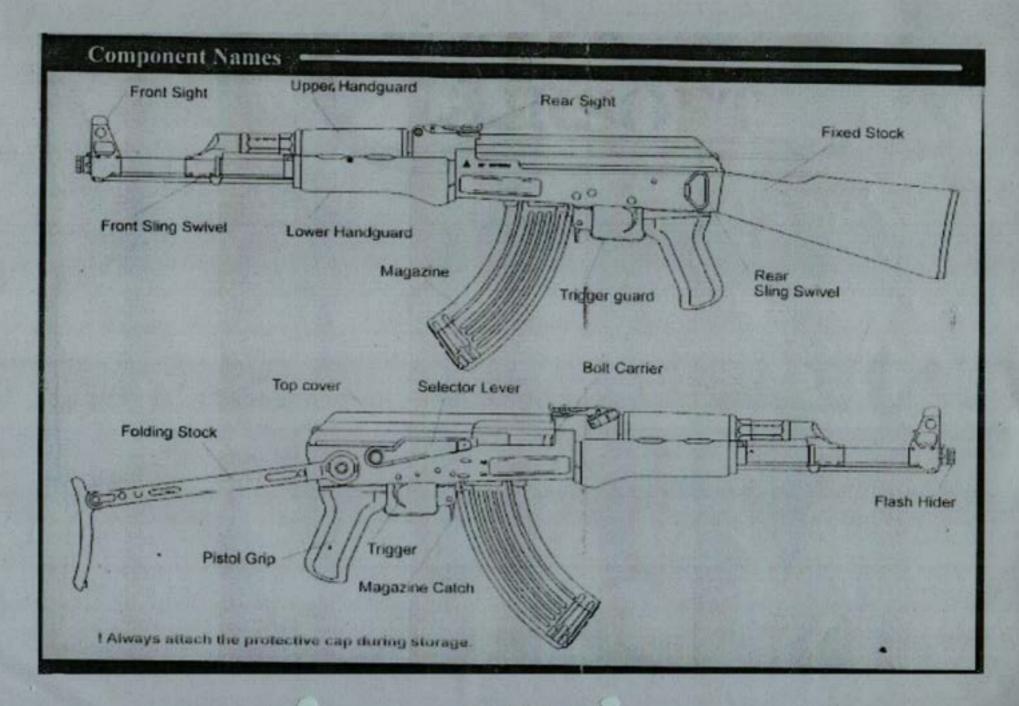
ANNEX 'D' TO DITD (S)
TD/2400/8/SMG & PISTOL/24/ 674
DATED 14 APRIL 25

TEST TRIALS PROCEDURES

- The acceptance test procedures are to be agreed between the Contractor and End User so as to prove all the functionalities detailed in the specifications. These procedures are to be formulated by the Contractor based on the requirements highlighted in URD in liaison with the EU/ PN project team.
- 2. Following set of trials shall be mandatory for the project:
 - a. PNCTA material test and comparison report (if applicable).
 - b. Workshop Acceptance Trials (WATs).
 - c. Onboard Acceptance Trials (if applicable).
- 3. The Contractor shall also be required to prepare/ furnish a detailed system acceptance criteria/ procedure (approved by the end user) four weeks prior start of acceptance trials. The trials are to include but not limited to following:
 - System workmanship.
 - b. Quality of soldering/joining.
 - System performance checks.
 - Test procedure to verify the performance.

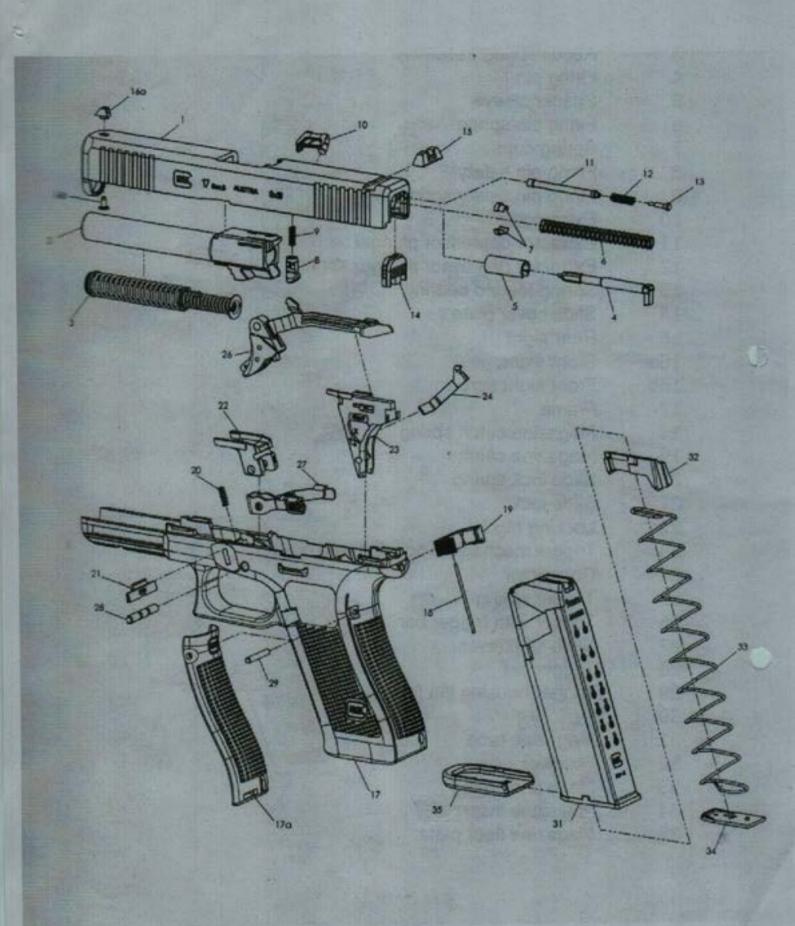
ACCEPTANCE CRITERIA

- All manufactured items/ parts shall be checked through functional, laboratory tests/trials for conformity of specifications after delivery & installation as appropriate.
- b. All stores shall be accepted on the Contractor's guarantee that any store, which on final inspection/test and trials are found not conforming to the required standard (quality/ specifications, etc.) shall be taken back for removal of defects or replacement, as necessary, entirely at Contractor's own cost and expenses.
- All supplied items/stores shall be tested at the Contractor's site, PNCTA/ end user's site for functional/ operational checks as specified in URD.
- d. The final acceptance certificate shall be signed by Purchaser/ end user after successful results of FATs, WATs & Onboard Acceptance (if applicable) Trials in accordance with acceptance trials in the light of requirements elaborated in Annexes A, B and C of IT.
- e. In case the designed output does not meet/ qualify the prescribed criteria/ specifications and acceptance trials mentioned above of Replica of 7.62mm SMG and 9mm Glock-19 Pistol, the Contractor has to redesign and Replica of 7.62mm SMG and 9mm Glock-19 Pistol or any of the part or increase quality of relevant components.



III. Pistol nomenclature





XVI. Technical data

TRIGGER PULL (-)	2 <u>\$</u>	85	100	5.8	82.0			28 28	23					
TRIGGER TRAVEL (~)	mm lach				125					D				
WEIGHT LOADED (-)	0.2	915		33.33	910	975		1056 37.32	940		1000			
WEIGHT INCL. MAGAZINE	a 2	705	0	24.97	700	725		28.43	740	AT W	815	5973		
MAGAZINE CAPACITY	rounds	A				2				9				
BARREL RIFLING						•								
LENGTH OF TWIST	mm inch	250			9.64	400		25.5		400	15.75			
BARREL LENGTH	mm inch	19												
SIGHT RADIUS	inch inch	185			169 6.65	165 6.50 164 6.46		164 6.46	165					
HEIGHT INCL. MAGAZINE	mm inch	900					9.51			130	2.5			
SLIDE WIDTH	mes inch	1 285		27.5		26.5		28.5						
WIDTH (OVERALL)	55	×	2	42	82		RE ER		ER E		1.30			
SLIDE LENGTH COMPLETE	40		2027				1.82							
LENGTH (OVERALL)	15	204 8.03		202		8.63	200	7.95	204	202	204	202		
CALIBER				9x19	8			9				30		45 GAP
MODEL		617	G17 Gend"	G117 Gents"	Gan4 Gen4	27.7	Gen4 Gen4	G GB G	13	Gend	7130	Gand Gend		

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.-

- 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;

^{*}Inserted vide S.R.O. No. 834(I)/2021 dated 28th June, 2021

- (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 nonresponsive 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

- the bidders shall first submit, according to the required specifications, a technical proposal without price;
- 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

Deposit Slip Customer Copy

	B B H M Y Y Y Y
Brancht	Date: 1 5 0 5 2 0 2 5
Account Title (16.20.20) PPRA	
IBAN: PK HABBOO	STATE OF THE STATE
CHITTING: PER DUSD DEURO DEP DIPY DO	thers
Credit Card No.	
CASH 2	AMOUNT
HANK/HRANCH 6-16	CHEQUEINSTRUMENT NO. 2.5
The second secon	
ak 7	1000
	TOTAL AMOUNT F. J. 15
Total Amount in Words: FIFE Thomsened	27/4
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Depositor's Name Short	philine Cash Onnosis Granton 0040-MESS MAMMER, Engachs Decount:Public PROXIMEN Data* 2025-04-15 180h PRI/MS000004580013100701 mount ####################################
Received By: ここしゃ Depositor's Signature (のでき)	(As per Terms & Conditions on reverse) (Not official unitsus validated)