Directorate General Defence Purchase Ministry of Defence New Airport Road Tejgaon, Dhaka-1215, Bangladesh

Fax: 880-2-9122748 Tel: Mil 7162, Civ 9132226

Boishakh 1425

06.06.0000.218/Eval/24.04.18

24 April 2017

RE- EVALUATION OF ANTI-TANK GUIDED WEAPON (MEDIUM RANGE) FOR BANGLADESH ARMY

Reference:

- A. Army Headquarters, General Staff Branch, Infantry Directorate letter number 23.01.901.034.02.026.01.19.04.18 dated 19 April 2018 (Not to all).
- 1. In view of above reference, please be informed that Bangladesh Army is planning to procure Anti Tank Guide Weapon (Medium Range). Therefore, you are requested to forward offers against subject item as per technical specification attached to this letter directly to Army Headquarters, General Staff Branch, Infantry Directorate by 10 May 2018 fulfilling the requirements mentioned below:
 - Offer as per technical specification.
 - b. Manuals (Original Printed by Manufactures) and CD.
 - c. Catalogue (Original Printed by Manufactures) and CD.
 - d. Brochure (Original Printed by Manufactures) and CD.
 - e. Enlistment Certificate of DGDP.
- 2. Forwarded for your information and necessary action please

ASHFAQ MD SHIBLY Major For Acting Director General

Annex:

A. Technical Specification of Anti Tank Guided Weapon (Medium Range) Total: 09 (Nine) pages only.

Distribution:

External:

Action:

(Enlisted Supplier of Group-4)

Information:

Army Headquarters General Staff Branch Infantry Directorate

Internal:

Action:

IT Branch - Focus it on Web Site

ANNEX A TO DGDP LETTER NUMBER 06.06.00.000.218/Eval/23.04.18 DATED 24 APRIL 2018

TECHNICAL SPECIFICATION OF ANTI-TANK GUIDED WEAPON (MEDIUM RANGE)

Ser	Description	Specification	Offered Specification	Remarks
(a)	(b)	(c)	(d)	(e)
Part-	1: General Specification			
1.	Nomenclature	Anti-Tank Guided Weapon	***	
١.	Nomenciature	(ATGW)		
2.	Characteristic	Medium Range (MR)		
3.	Model	Specific model to be		
an all the receipt		mentioned		
4.	Caliber	To be mentioned		
5.	Name of the manufacturer	To be mentioned		and the second s
6.	Name of the principal	To be mentioned		THE COMMISSION OF CONTRACT THE CONTRACT OF STREET
7.	Country of origin	Group B		
8.	Country of manufacture	Group B		
9.	Country of assembly	Group B	AND REAL PROPERTY OF THE PARTY	
10.	No of crews	2/3		
11.	Generation	2 nd and higher		
12.	Year of production	Not before the year of		
		contract		
	2: Technical Specification			
13.	Function and Capability			
	a. To be able to aim, track	To be mentioned	4	
	and engage any target	the state of the s		
	(moving or static) direct or indirect role within maximum			
	effective range in all-weather			
	condition both in day and			
	night time			
	b. To be able to fire from	To be mentioned		
	confined space			
	c. To be able to use on	To be mentioned	and the second second second of the second s	
	variety of platforms (tripod			
	and vehicle)			
	d. Should be man portable for	To be mentioned		
	short distance			
	e. Can defeat any Modern	To be mentioned		
	Battle Tank or Armoured			
	Fighting Vehicle	7- 1		
	f. Can defeat Explosive	To be mentioned		
	Reactive Armour (ERA) and			
	Inert Reactive Armour (IRA) g. Should have cross country	To be mentioned		
	mobility	To be mentioned		
14.	Operational Aspects/Require	ments	and the second s	
	a. Effective range (Day)	Minimum 4 km		
	b. Effective range (At	Minimum 3 km		
	night or at poor visible			
	condition)			
	c. Maximum range of the	To be mentioned		
	weapon system			
	d. Minimum effective	To be mentioned		
	range			
	e. Minimum operation	To be mentioned		
	angle/ gradient	To be most oned		-
	f. Maximum operation	To be mentioned		
	angle/ gradient	To be mentioned		
	g. Effectiveness during Rain and general thunder	to be mentioned	ENERAL	DEE
	Rain and general thunder shower		GENEIVE	CLEN
	h. Effectiveness in fog/ mist	To be mentioned	IST A	12
	j. Altitude (Above sea level)	Up to 2000 m above sea level	18 4	크레
	k. Wind speed	≤ 12 m/sec	DQ DG	
	I. Provision of separated firing	To be mentioned	1121	151
	capability	10 be memoried	1 Silvin	July 1
	m. Overlapping or cross firing	To be mentioned	MISTRYOF	DEL
	I III. Overlapping of Closs Illing	10 be membered		Australia

Ser	Description	Specification	Offered Specification	Remarks
(a)	(b)	(c) ·	(d)	(e)
	n. Provision of fire and update method	To be mentioned		
to the same	p. Immunity to counter electronic measure (CEM)	To be mentioned		
and the second s	q. Immunity of Detection of Infrared (IR) if IR used	To be mentioned		
	r. Launching platform: (1) Tripod (2) Vehicle	To be mentioned		
Ī	s. Ammo loading system	To be mentioned		
	t. Man portability for short	To be mentioned	A CONTRACTOR OF THE PARTY OF TH	
	distance			
15.	Guidance and Control Mecha	nism of Guidance Control U	Init (GCU)	Landauman
	a. Guidance System/ Method (Mention only applicable method/ combination of methods): (1) Command to Line of		The state of the s	
	Sight (CLOS)-SACLOS/ ACLOS (2) Homing- Active/Semi- Active/ Passive (3) Beam Riding			
f	b. Gathering	To be mentioned		
+	c. Tracking and	Semi-Automatic or		
The second sec	guidance	Automatic		
	d. Formation of control	To be mentioned		
	command			
	e. Possibility of interference of command link	To be mentioned		
	f. Provision of integrated self- test system prior operation	To be mentioned		
	g. Provision of testing equipment/ device in the field	To be mentioned		
	h. Provision of integrating night firing device/Thermal Imager	To be mentioned		
	j. Waterproofness of GCU	To be available		
	k. Storage condition (Under normal ambient temperature condition)	To be mentioned		,
	Carrying facilities/Provision of back pack and harnesses	To be mentioned		
	m. Triggering positions (Details to be mentioned)	To be mentioned		
10	n. Provision of safety in trigger/launch button	To be mentioned		
16.	Performance	T- b		
	a. Combat rate of fire	To be mentioned		×
-	(Missile per minute)	> 000/		
	b. Single shot hit probability or accuracy	> 90%		
-	(Moving target)			
	c. Single Shot Hit Probability or accuracy (Static Target)	> 95%		
	d. Operational temperature range	- 20 ° C to + 50 ° C	EDALA	
	e. Operational humidity range	Minimum 95%	GENERAL D	FER
	f. Ready to combat state	< 1-3 min	18 N	1551
	(Time)		15 X	1
	g. Speed of the Missile	To be mentioned	F DGDI	5 E
	h. Time of Flight to	To be mentioned	信一	RICA
	Maximum Range	. 5 55 months	1	1×
		A)	MSTRYOFD	ECIN
17			WALUE []	LI SOFT IIII
17.	Warhead Performance a. Type of warhead	To be mentioned		1771

Ser	Description	Specification	Offered Specification	Remarks
(a)	(b)	(c)	(d)	(e)
	c. Minimum angle of	To be mentioned		
	attack			
	d. Top attack capability e. Provision of	To be mentioned To be mentioned		
	e. Provision of thermobaric warhead	To be mentioned		
	f. Detonation process	To be mentioned		-
	g. Fuze arming distance	To be mentioned		
	h. Type of fuze	To be mentioned	et auto-sen en vertinanten (1862) och auto-sen (1867) set ennet utt 1867) och till vertinaten (1867) och till v	
	j. Self destruction capacity	To be mentioned		
	k. Name and type of main	To be mentioned		
	filling			
	Weight of main filling	To be mentioned		
	m. Provision of lock onto target (Before and after launch)	To be mentioned		
	n. Fuze arming mechanism	To be mentioned		
	p. Boost with limited signature	Preferable		
	q. Launching sound	≤ 150 dB		
	r. Detection	Preferably immune to		
	Late C	detection		
	s. Interference to command link	Preferably immune to interference		
		Yes		
	The second section of the s	10 years		
	u. Shelf life v. Storage under normal	To be mentioned		
	temperature/humid condition (operation condition)	To be mentioned		
	w. Storage with special	≥ 10 years		
	facility (controlled environment)			
	x. Safety falling height	To be mentioned		
	y. Shelf of the Fuze Battery	To be mentioned		
	z. Penetration Power (For	Minimum 800 mm behind		
	both static & moving target)	ERA		
	aa. Penetration against Rolled Homogeneous Armour (RHA), Spaced Armour, Composite Armour	To be mentioned		*
18.	Propulsion and Power Supply		COLUMN TO THE REAL PROPERTY OF THE PROPERTY OF	
10.	Propulsion and Power Supply a. Type of boost and	To be mentioned		,
	propulsion/ engine	10 bo monton		
	b. Provision of boost with	To be mentioned		
	limited signature			20
	c. Power supply system during operation	To be mentioned		
	d. Durability of power supply system	To be mentioned		
10	e. Shelf life of power supply	To be mentioned		
19.	Vision Device-Day	To be mentioned		
	Brand and model of Device Brand and model of detector (if applicable)	To be mentioned To be mentioned		
	c. Country of origin manufacture and assembly of Device			
	d. Country of origin manufacture and assembly of		GENERAL DE	ENÇE
	detector (if applicable) e. Aiming distance (Identifyin target up to effective range a		DEDF DEDF	JRCHASE
	day)	To be westigned	121	1×1
	f, Magnification of the Device	To be mentioned	The state of the s	CCV 1
	g. Compatibility of Device cooled or uncooled (applicable)	To be mentioned	WSTRY OF D	

Ser	Description	Specification	Offered Specification	Remarks
(a)	(b)	(c)	(d)	(e)
	h. Field of view (Both horizontal & vertical)	To be mentioned		
	j. Power source including charging facilities	To be mentioned		
	k. Detector resolution (if applicable)	To be mentioned	version of the control of the contro	4
	I. Device resolution	To be mentioned		
	m. Capable of using in any terrain and weather condition without losing its effectiveness	To be mentioned		
	n. Operating temperature	- 20 ° C to + 50 ° C		
	p. Storage temperature	- 20 ° C to + 50 ° C		
	q. Operational humidity range	Minimum 95%		
	r. Weight (with and without battery)	To be mentioned		
	s. Shelf life	10 years		
	t. Continuous operation period (with one power source unit)	To be mentioned		
	u. Environment Issue	MIL STD 810 G		
	v. Provision of reticle	To be mentioned		
20.	Vision Device-Day/Night (Therm	nal Imaging)		L
	a. Brand and model of Device	To be mentioned		
	b. Brand and model of thermal detector	To be mentioned		
	c. Country of origin, manufacture and assembly of Device	Group B		
	d. Country of origin, manufacture and assembly of	Group B		
	thermal detector	T		
	e. Aiming distance (Identifying target minimum up to effective range at night or at poor visible condition)	To be mentioned		
	f. Magnification of the Device g. Compatibility of Device-	To be mentioned To be mentioned		
	cooled or uncooled h. Field of view (Both horizontal	-2		
	& vertical)	To be mentioned		
	j. Power source including charging facilities			
	k. Thermal detector resolution	To be mentioned		
	I. Device resolution	To be mentioned		
	m. Integrated thermal imaging or detachable	To be mentioned		
	n. Capable of using in any terrain and weather condition without losing its effectiveness	To be mentioned		
	p. Operating temperature	- 20 ° C to + 50 ° C		
	q. Storage temperature	- 20 ° C to + 50 ° C		
	r. Operational humidity range	Minimum 95%		
	s. Weight with and without battery	To be mentioned		
	t. Shelf life	10 years		
	u. Continuous operation period with one power source unit	To be mentioned		
	v. Environment Issue	MIL STD 810		1
	w. Provision of reticle	To be mentioned	CENERAL DEFE	
7.4	illumination		The state of the s	
21.		o be mentioned	DGDP DGDP	NIRCHASE
	container/ canister	To be a second to the second t	WELT -	JA NA
		o be mentioned o be mentioned	TANSTRY OF DEEP	5/ X
	c. Weight of command T	the state of the s	11/1/1/1	0-00 A

Ser	Description	Specification	Offered Specification	Remarks
(a)	(b)	(c)	(d)	(e)
	d. Weight of tracker sight including associated power supply system			
	e. Detail weight of any other major operating components	To be mentioned	30 41	1
	f. Weight of full complement/ total system along with missile loaded	To be mentioned		
	g. Length of the missile inside container	To be mentioned		And the second s
	h. Diameter/caliber of the missile	To be mentioned		
	j. Height of the launcher (Ready to fire)	To be mentioned		
22.	Other Important Features			
	a. Back blast area/ Backward Ejection distance (If applicable)	To be mentioned		
	b. Laser safety classification as per IEC (International Electro technical Commission) 60825-1 Standard if laser used	To be mentioned		
	c. Destruction/ dangerous area (For Thermobaric Warhead)	To be mentioned		
	d. Transportation distance and method (Air, Road, Waterways) – In Packing	To be mentioned		
	e. Time of continuous	To be mentioned		
23.	operation for whole system Testing and Maintenance			L
25.	a. Type and Name	To be mentioned		1
	b. Testing/Maintenance description	To be mentioned		
	c. Power source (AC/DC) (Details to be mentioned)	To be mentioned		
	d. Continuous working hours	To be mentioned		
	e. MTBF (Mean time before failure)	To be mentioned		,
	f. BIT (Built In Test)	To be mentioned		
	g. Operating Crew	To be mentioned		
	h. Storage temperature	To be mentioned	\$	
	j. Shelf life (Details to be mentioned)	To be mentioned		
0.4	k. Any other features	To be mentioned		
24.	Training Facilities			******
	a. Indoor Simulator	To be mentioned		
	(1) Make and model (2) Operating temperature	To be mentioned To be mentioned		
	(3) Uninterrupted	To be mentioned		
	operation period	To be mentioned		
	(4) Storage life	To be mentioned		
	(5) Size and shape	To be mentioned		
	(6) Power source (AC/DC)	To be mentioned		
	(7) Readiness time	To be mentioned		
	(8) Any other features	To be mentioned	ENERAL O	FER
	b. Field/Outdoor Simulator		A GO	CACI
	(1) Make and model	To be mentioned	18/11	1,51
	(2) Operating temperature	To be mentioned	DED	戸門
	(3) Uninterrupted operation	To be mentioned		别人
	period (4) Starger life	Te he martiness	STAYSTRY OF C	Etello,
	(4) Storage life (5) Size and shape	To be mentioned To be mentioned	WY OF L	JON ON

Ser	Description	Specification	Offered Specification	Remarks
(a)	(b)	(c)	(d)	(e)
	(6) Power source (AC/DC)	To be mentioned		
	(7) Readiness time	To be mentioned		
	(8) Any other features	To be mentioned		
	c. Cutaway/ Sectionized Missile	Details to be mentioned		
	d. Mock-up Weapon System (Actual Size and Weight)	Details to be mentioned		
	e. Practice Missile	Details to be mentioned		
	f. Any Other Training	Details to be mentioned		
	Gadgets/ System			
25.	Vehicle details (If Vehicle mo	unted)		
	a. Brand and model name vehicle	To be mentioned		
	b. Brand and model of engine	To be mentioned		
	c. Country of origin, manufacture and assembly of	Gp B		
	vehicle			
	d. Country of origin, manufacture and assembly of vehicle	G p B		
	e. Name and complete	To be mentioned		
	contact address of the			
	manufacturer of vehicle			
	f. Name and complete contact address of the manufacturer of engine	To be mentioned		
	g. Year of manufacturer	Not before the year of contract		
	b Air conditioning Contact (if			
	h. Air conditioning System (if (1) Model			
		To be mentioned		
	(2) Cooling	To be mentioned		
	(3) Heating	To be mentioned		
	(4) Capacity	***		
	i. Cooling.	To be mentioned		i-
	ii. Heating j. Number of Crews can	To be mentioned To be mentioned		
	accommodate			
	k. Configuration	To be mentioned		
	I. Combat weight	To be mentioned		
	m. Ground clearance	To be mentioned		
	n. Protection	To be mentioned		*
	p. Length	To be mentioned		
	q. Width	To be mentioned		
	r. Height (Inclusive Turret)	To be mentioned		
	s. Doors/Hatches (Details to be mentioned)	To be mentioned		
	t. Hull Overhang			~~~
	(1) Front	To be mentioned		
	(2) Rear	To be mentioned		
	u. Negotiable Obstacles			
	(1) Gradient	To be mentioned		
	(2) Tilt/Slope	To be mentioned		*******************************
	(3) Angle of approach	To be mentioned		
	(4) Angle of departure	To be mentioned		
	(5) Height of wave	To be mentioned		
	(6) Trench crossing	To be mentioned		
	(7) Vertical obstacle crossing	To be mentioned		
	(8) Fording capability	To be mentioned		
	v. Wheel Tread		NERAL O	EFE
	(1) Front	To be mentioned	K GE	CACA
	(2) Rear	To be mentioned	13/AT	131
	w. Wheel base	To be mentioned		西 党,
	x. Fuel Endurance in High way	To be mentioned	DED	
			AMISTRY OF	154
	y. Turning Radius	To be mentioned		- 1 - 1.

Description	Specification	Offered Specification	Remarks
(b)	· (c)	(d)	(e)
Fuel Tank Capacity	To be mentioned		
Speed		***************************************	
(1) Road	To be mentioned		
(2) Cross Country	To be mentioned	1	
erage)	To be memoried		
(3) Afloat	To be mentioned		
Engine	TO DO MONION		
(1) Maximum power	To be mentioned		
output	10 be monderiod		
with RPM			
(2) Torque with RPM	To be mentioned	CONTRACTOR OF THE PROPERTY OF	
(3) Power to weight ratio	To be mentioned		
(4) Number of cylinder	To be mentioned		
(5) Cooling system	To be mentioned		
(6) Displacement	To be mentioned		
(7) Bore & Stroke	To be mentioned		
(8) Type of Fuel	To be mentioned		
(9) Fuel consumption	To be mentioned		
(10) Fuel injection pump	To be mentioned		
(11) Year of Manufacture	To be mentioned		
Load on Axle	TO DO MERMOREA	CONTRACTOR OF THE PROPERTY OF	
(1) Front Axle	To be mentioned		
(2) Rear Axle	To be mentioned		
Transmission	To be mentioned		
	To be mentioned		
Propulsion System on ter	To be memoried		
Transfer case (Details to	To be mentioned		
mentioned)	To be mentioned		
Steering	To be mentioned		
yre	TO BE MEMORIE		
(1) Combat run proof	To be mentioned		
(2) Size	To be mentioned		
(3) Brand / Type	To be mentioned		
(4) County of origin and	To be mentioned		
manufacturer	To be mentioned		
(5) Number of Tyre	To be mentioned	A CONTRACTOR OF THE CONTRACTOR	
including spare tyre.			
(6) Pattern	To be mentioned		
(7) Suitable for cross	To be mentioned		
country movement.			
(8) Central tyre air	To be mentioned		
ation	10 00 1101101		
system.		3	
Suspension	To be mentioned		
Brake			
(1) Service	To be mentioned		
(2) Parking	To be mentioned		
(3) Exhaust Brake	To be mentioned		
(3) Exhaust blake	To be memoried	*	
n. Electrical System			
(1) Electrical power	To be mentioned		
irce		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-
(Voltage)			
(2) Battery (Quantity,	To be mentioned	The second secon	
	To be mentioned		
		CNERA	DEFE
	To be mentioned	The state of the s	S. C.
		12/A	131
		15 50	DP 로
(5) Auxiliary Power Unit	To be mentioned		
	4	114	/.★¥
	To be mentioned	The state of the s	
(2) Battery (Quantity, voltage & AH) (3) Starter (Voltage & capacity in Kw) (4) Alternator (Quantity voltage & capacity in Ampere) (5) Auxiliary Power Unit (preferable) Ground pressure	To be mentioned	DE DE LA TRY OF THE PROPERTY O	

Ser	Description	Specification	Offered Specification	Remarks
(a)	(b)	(c)	(d)	(e)
	pp. Weight of vehicle (without	To be mentioned		
	weapon system and missile)	T- be weathered		
	qq. Weight of vehicle (with	To be mentioned		
	weapon system and missile) rr. Ground clearance	To be mentioned		
	pp. Fire Fighting equipment (,	e manufacture que mante e embre
	(1) Fire Fighting system	To be mentioned		
	(2) Method of actuation	To be mentioned		
26.	Communication System (If av			
	a. Make and Model	To be mentioned		
	b. Country of Manufacture	To be mentioned		
	c. Type of Modulation	To be mentioned		
	d. Frequency Range	To be mentioned	The state of the s	
	e. Frequency Spacing	To be mentioned To be mentioned		
	f. Frequency Hopping	To be mentioned To be mentioned		
	g. Communication Range h. Supply Voltage	To be mentioned		
	j. Current Consumption	To be mentioned		
	k. Dimension	To be mentioned (WxDxH)	***	
	I. Compatibility of VHF Radio	To be mentioned		
	Sets used by Bangladesh	, 6 26		
	Army(VHF WS Q-MAC, RF			
and the same of	1350 and XV 3088)			
	3: TRAINING REQUIREMENT			
27.	Part-3A: User Training			· · · · · · · · · · · · · · · · · · ·
	a. Various use of ATGW	To be provided (As per		
	weapon system (Including all	requirement of Infantry	-: '-	
	kind of simulators and vehicle)	Directorate)	. 4	
	b. General care and fd		and the country of th	
	maintenance of ATGW			
	system (Including all kind of			
	simulators and vehicle)			
	c. Storage related			
	training			
28.	Part-3B : OPERATION,	To be provided (As per		
	REPAIR AND	requirement of EME		
	MAINTENANCE TRAINING	Directorate)		
	Operation, repair and			
	maintenance training of ATGW system (Including all			,
	kind of simulators and			
	vehicle)			
29.	Part-3C : EQUIPMENT	To be provided (As per		
	MANAGEMENT TRAINING	requirement of Ordnance		
	Equipment management	Directorate)		
	training of ATGW system			
	(Including all kind of			
	simulators and vehicle)			
PAR	T-4: REPAIR AND MAINTENAN	CE REQUIREMENT LESS LIST	OF SPARES	
30.	a. SST/measuring & testing	If available list to be provided		
	/fault finding and diagnostic	(as per requirement of EME		
	set	Directorate)	A	
	b. SSM	If available list to be provided		
	•	(As per requirement of EME		
	D. L.P.	Directorate)		1
	c. Publications	To be provided /As ass		1
	(1 Owners/operations manual	To be provided (As per		
	in English (book type)	requirement of EME Directorate)		
	including CD/DVD) (2) Workshop/repair	To be provided (As per		RAL DEEP
	(2) Workshop/repair	requirement of EME	L GEN	TANK THE
	manual in English (book type) including CD/DVD)	Directorate)		AT THE
	17 moldaling OD/DVD)	Directorate		S S S S S S S S S S S S S S S S S S S

Ser	Description	Specification	Offered Specification	Remarks
(a)	(b)	(c)	(d)	(e)
	(3) 100% Updated master spare parts catalogue in English (book type) including CD/DVD			
Part-	5 : LIST OF SPARES		gazina dina mangali piggankang padi namang menangkan papanang karandan antanan minin dinangkan berditar	agains and a state of the last
31.		To be provided		
Part-	6: TOOLS LIST FOR DIFFERE	NT LEVEL OF MAINTENANCE		1
32.	Tool list for different level of maintenance			
Part-	7 : FINANCIAL SPECIFICATION	V		
33.	Financial aspects	To be provided		

