



Directorate General Defence Purchase
Ministry of Defence
New Airport Road
Tejgaon, Dhaka-1215
Telephone: Military 5036
Civ: 48111625
E-mail: adp1army1@dgdp.gov.bd

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Ashwin 1433

06.06.0000.214.eval.24/ATV

29 September 2026

EVALUATION OF ALL TERRAIN VEHICLE (ATV) FOR BANGLADESH ARMY

Reference:

A. Army Headquarters, General Staff Branch, Infantry Directorate letter number 23.01.901.034.02.092.17.20.09.26 Dated 20 September 2026 (Not to all).

1. Please be informed that, Bangladesh Army is planning to procure **All Terrain Vehicle (ATV)**. Therefore, you are requested to submit following documents/ information in respect of All Terrain Vehicle (ATV) directly to **Army Headquarters, General Staff Branch, Infantry Directorate, Dhaka Cantonment by 19 October 2026** as following:

- a. Offer will be submitted as per the attached preliminary technical specification of 2, 4 and 6 Seater ATVs and editable word documents/file of the duly filled-up preliminary technical specification will be sent by e-mail to infde.gso1inf2@army.mil.bd.
- b. Letter of authorization by Manufacturer/Principal mentioning that the said company will be the local vendor/agent for offered model.
- c. Manual (Original Printed by Manufacture) and electronic copy in any suitable digital storage media (Pen Drive/CD/DVD).
- d. Catalogue (Original Printed by Manufacture) and electronic copy in any suitable digital storage media (Pen Drive/CD/DVD).
- e. Catalogue of Spare Parts (Original Printed by Manufacture) and electronic copy in any suitable digital storage media (Pen Drive/CD/DVD).
- f. Brochure (Original Printed by Manufacture) and electronic copy in any suitable digital storage media (Pen Drive/CD/DVD).
- g. Enlistment Certificate of Directorate General Defence Purchase (DGDP).
- h. Short video clip on the system.
- J. Picture of standard and optional items.
- K. Certification from Manufacturer on permission to export the said system to Bangladesh Army.

2. Lack of any information will disqualify the offer.

3. Forwarded for your information and necessary action please.



SHEULY AKTER
Lieutenant Colonel
For Director General

Annex:

1. Preliminary Technical Specification of ATV (02 Seater) - 07 (Seven) Pages.
2. Preliminary Technical Specification of ATV (04 Seater) - 07 (Seven) Pages.
3. Preliminary Technical Specification of ATV (06 Seater) - 07 (Seven) Pages.

Distribution:

External:

Action:

(All Concerned Supplier/Firm)

Information:

Army Headquarters, General Staff Branch, Coord

Army Headquarters, General Staff Branch, Weapon Equipment and Statistic Directorate

Army Headquarters, General Staff Branch, Infantry Directorate

Army Headquarters, Master General of the Ordnance Branch, Ordnance Directorate

Army Headquarters, Master General of the Ordnance Branch, Electrical and Mechanical Engineers Directorate

Army Headquarters, Master General of the Ordnance Branch, Inspection and Technical Development Directorate

Inspectorate of Vehicle & Engineering Equipment, Dhaka Cantonment

Internal:

IT Section: Publish in web site.

PRELIMINARY SPECIFICATION OF ALL TERRAIN VEHICLE (ATV)- 2 SEATER

Ser	Description	Suggested Specification	Offered Specifications
<u>PART - 1: GENERAL SPECIFICATION</u>			
1.	Nomenclature	All-terrain vehicle (ATV)	
2.	Name of Local Agent with complete address (Office address, Telephone, Fax, Email and Web address)	To be mentioned	
3.	Name of Principal with complete address (Office address, Telephone, Fax, Email and Web address)	To be mentioned	
4.	Name of Manufacturer with complete address (Office address, Telephone, Fax, Email and Web address)	To be mentioned	
5.	Make and model	To be mentioned	
6.	Configuration	4x4, Right Hand Drive	
7.	Year of Production	Not before the year of contract	
8.	Country of Origin	To be mentioned	
9.	Country of Manufacture	To be mentioned	
10.	Country of Assembly	To be mentioned	
11.	Utility/Likely use (Range of utility/likely/ use may be specified)	To be mentioned	
<u>PART- 2: TECHNICAL SPECIFICATION</u>			
12.	Type	2-Seater tactical light utility ATV Details to be mentioned	
13.	<u>Dimension</u>	To be mentioned	
	a. Max Gradeability (Degree)	Minimum 30°	
	b. Fording depth (mm)	Minimum 300 mm	
	c. Turning radius (mm)	Maximum 8000 mm	
	d. Tread front (mm)	To be mentioned	
	e. Tread Rear (mm)	To be mentioned	
	f. Side Slope	Min 20°	
	g. Ground Clearance	To be mentioned	
	h. Wheel base	To be mentioned	
	j. Seating Capacity	02 pers including driver	
	k. Seat Type	To be mentioned	
	l. Seat Material	Should be water proof	
	m. Cruising Range	Minimum 100 km	
	n. Fuel Tank capacity	To be mentioned	
	p. Operating Altitude	To be mentioned	
	q. Frame	To be mentioned	
	r. Overall Length	To be mentioned	
	s. Overall width	To be mentioned	
	t. Overall Height	To be mentioned	
	u. Angle of Approach	To be mentioned	
	v. Angle of Departure	To be mentioned	

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Ser	Description	Suggested Specification	Offered Specifications
14.	<u>Engine</u>		
	a. Make and model	To be mentioned	
	b. Type	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
	f. Rated power with rpm (hp at rated RPM)	To be mentioned	
	g. Maximum torque with RPM (N.m at rated RPM)	To be mentioned	
	h. Number of Cylinder	To be mentioned	
	j. Compression Ratio	To be mentioned	
	k. Bore, Stroke	To be mentioned	
	l. Piston Displacement	To be mentioned	
	m. Engine Life	To be mentioned	
	n. Emission Standard	To be mentioned	
	p. Engine Test Bench Report	To be provided	
	q. Turbo Charger (if available)	To be mentioned	
	r. Injection type	To be mentioned	
	s. Year of production	Not before the year of contract	
15.	<u>Weight</u>		
	a. Gross weight	To be mentioned	
	b. Kerb/Curb weight	To be mentioned	
	c. Pay load	To be mentioned	
16.	Fuel Consumption	To be mentioned	
17.	<u>Fuel</u>		
	a. Fuel Type	Petrol/Diesel (Types used by Bangladesh Army)	
	b. Fuel filter type	To be mentioned	
18.	Towing Capacity and Compatible Rear Trailer	To be mentioned	
19.	<u>Winch Mechanism</u>	For self-recovery positioning at the front of the vehicle	
	a. Make and Model	To be mentioned	
	b. Pulling capacity	To be mentioned	
	c. Length of Steel Wire Rope	To be mentioned	
	d. Dia of Steel Wire Rope	To be mentioned	
	e. Control mechanism	To be mentioned	
	f. Country of Origin	To be mentioned	
	g. Country of Manufacturer	To be mentioned	
	h. Country of Assembly	To be mentioned	
20.	<u>Transmission System</u>		
	a. Type	To be mentioned	
	b. No of Gear	To be mentioned	
	c. Country of Origin	To be mentioned	

Ser	Description	Suggested Specification	Offered Specifications
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
	f. Brand and Model	To be mentioned	
	g. Gear Ratio	To be mentioned	
21.	<u>Transfer Case</u>		
	a. Make and Model	To be mentioned	
	b. Country of Origin	To be mentioned	
	c. Country of Manufacturer	To be mentioned	
	d. Country of Assembly	To be mentioned	
	e. High Gear Ratio	To be mentioned	
	f. Low Gear Ratio	To be mentioned	
22.	<u>Maximum Speed</u>	To be mentioned	
	a. For sandy terrain	Details to be mentioned	
	b. For muddy terrain	Details to be mentioned	
	c. For rock/gravel terrain	Details to be mentioned	
	d. For mountain terrain	Details to be mentioned	
	e. For Marshy terrain	Details to be mentioned	
23.	Superstructure	Details to be mentioned and drawing/ diagram to be provided	
24.	<u>Suspension System</u>	To be mentioned	
	a. Front	To be mentioned	
	b. Rear	To be mentioned	
25.	<u>Chassis</u>		
	a. Type	To be mentioned	
	b. Dimension (Length, width, height)	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
	f. Chassis frame Resistance to bending moment (RBM)	Certificate to be provided with details calculation	
26.	<u>Front Axle</u>		
	a. Type	To be mentioned	
	b. Axle capacity	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
27.	<u>Rear Axle</u>		
	a. Type	To be mentioned	
	b. Axle capacity	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
28.	<u>Brake System</u>	Details to be mentioned	
	a. Service Brake	Details to be mentioned	

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Ser	Description	Suggested Specification	Offered Specifications
	b. Parking Brake	Details to be mentioned	
	c. Emergency Brake (if available)	Details to be mentioned	
	d. Any other Brake (if available)	Details to be mentioned	
29.	Lubrication System	Details (Grade of lube oil, capacity etc) to be mentioned	
30.	<u>Tires</u>		
	a. Type		
	For sandy terrain	To be mentioned	
	For muddy terrain	To be mentioned	
	For rock/gravel terrain	To be mentioned	
	For mountain terrain	To be mentioned	
	For Marshy terrain	To be mentioned	
	b. Size	To be mentioned	
	c. Brand	To be mentioned	
	d. Country of Origin	To be mentioned	
	e. Tire ply Rating	To be mentioned	
	f. Rim Size	To be mentioned	
	g. To be commercially available	Yes	
	h. Year of production	Not before the year of contract	
31.	<u>Electric System</u>		
	a. Voltage	To be mentioned	
	b. No of Battery including Volt & Ah	To be mentioned	
	c. Alternator (Volt & AH)	To be mentioned	
	d. Starter (Volt & AH)	To be mentioned	
32.	Steering System	To be mentioned	
33.	Cooling System	To be mentioned	
34.	Starting System	To be mentioned	
35.	Color	Olive Drab/ Camouflage colour as per user requirement	
36.	Panel Lamps	To be mentioned	
37.	<u>Following accessories to be provided with each vehicle</u>		
	a. 01x spare wheel complete set with fitting attachment	To be provided	
	b. Vinyl cover for superstructure	To be provided	
	c. 02 x Fog lamp at front for drive	To be provided	
	d. 02 x Head Light, Black out light: 01 x Blackout driving light at front RH, 02x Blackout side light NATO std front LH & RH, 02xBlackout combination light NATO std (side & stop) at rear LH & RH and 01 x Blackout convoy light at rear	To be provided	
	e. Guard for all light	To be provided	
	f. Fire Extinguisher 1 Kg capacity for A B C & E type with bracket and chemical filled to be fitted at the side of driver seat	To be provided	
	g. Seat belt for driver and front passenger	To be provided	
	h. Antenna fixing base for wireless	To be provided	

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Ser	Description	Suggested Specification	Offered Specifications
j.	Fixing socket for wireless set power supply	To be provided	
k.	Base frame for fixing wireless set (Free size)	To be provided	
l.	02 x Towing hook at front	To be provided	
m.	1x 7.62 mm MG post	Preferred	
	(1) Model and type of the 7.62mm machine gun that can be used with the post (The Post should be compatible with 7.62mm NGs used in Bangladesh Army)	To be mentioned	
	(2) Elevation angle of the 7.62mm machine gun that can be set with the post	To be mentioned	
	(3) Depression angle of the 7.62mm machine gun that can be set with the post	To be mentioned	
	(4) Traverse angle of the 7.62mm machine gun that can be set with the post	To be mentioned	
	(5) Location of MG Post in the vehicle	To be mentioned	
	(6) Ammo stowage capacity and location in the vehicle	To be mentioned	
n.	40 mm Automatic Grenade launcher post	Preferred	
	(1) Model and type of the 40mm automatic grenade launcher that can be used with the post (The post should be compatible with 40mm automatic grenade launchers used in Bangladesh Army)	To be mentioned	
	(2) Elevation angle of the 40mm automatic grenade launcher that can be set with the post	To be mentioned	
	(3) Depression angle of the 40mm automatic grenade launcher that can be set with the post	To be mentioned	
	(4) Traverse angle of the 40mm automatic grenade launcher that can be set with the post	To be mentioned	
	(5) Location of 40mm automatic grenade launcher Post in the vehicle	To be mentioned	
	(6) Ammo stowage capacity and location in the vehicle	To be mentioned	
p.	Mudguard with mud flap for all wheel	To be provided	
q.	Head rest for front & rear seater	To be mentioned	
r.	Camouflage net for vehicle	To be mentioned	
s.	Heli lift facility	To be mentioned	
t.	Inspection lamp complete with cable (10 meter), Plug & arrangement of socket in the vehicle for use inspection lamp	To be provided	
u.	All gauges and meters in dashboard (Should be in English language)	To be mentioned	
v.	Digital Clock at dashboard (if available)	To be mentioned	
w.	12 pin electrical connection for trailer (NATO Type)	To be provided	
x.	Pintle hook rotating type NATO standard at rear	To be provided and capacity to be mentioned	
y.	Any other accessories (if available)	To be mentioned	

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Ser	Description	Suggested Specification	Offered Specifications
38.	User maintenance tools for smooth operation and maintenance	List to be submitted along with the offer	
39.	<u>Petroleum Oil and Lubricants (POL) Information's</u>		
	a. Grade of Petroleum used in vehicle	Compatible with grades available in Bangladesh	
	b. Type of Engine oil used in vehicle	Compatible with grades available in Bangladesh	
	c. Type of transmission oil used in vehicle	Compatible with grades available in Bangladesh	
40.	Any other requirement deemed necessary (if available)	To be mentioned	
41.	Model Validity	Min 10 Years	
42.	Spare Parts availability	Min 15 Years	
43.	After Sales Service	After sales service to be provided for at least 10 years by a local workshop, authorized by principal/manufacture. To be implemented by separate annex in the main contract. Free of charge up to warranty period and thereafter with payment.	
44.	Warranty	Minimum 01 year	
45.	List of Optional of items	To be mentioned	
46.	Brochure/catalogue	Original to be submitted along with the offer	
<u>PART - 3 : TRAINING REQUIREMENT</u>			
47.	<u>Part-3A: User Training</u>		
	User training	To be provided as per requirement of Infantry Directorate	
48.	<u>Part-3B: OPERATION, REPAIR AND MAINTENANCE TRAINING</u>		
	Operation, Repair and Maintenance Training on all sys of ATV	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
49.	<u>Part-3C: EQUIPMENT MANAGEMENT TRAINING</u>		
	Equipment management training of AGL system	Equipment management training of ATV/ UTV system to be provided as per requirement of Ordnance Directorate	
<u>PART - 4 : REPAIR AND MAINTENANCE REQUIREMENT LESS LIST OF SPARES</u>			
50.	<u>Publications</u>		
	a. Driver's/Owners/Operators Manual on all sys of ATV in English (Book Type) including CD/DVD	To be provided as per requirement of Electrical and Mechanical Engineers Directorate	
	b. Workshop/Repair manual of all sys of ATV in English (Book Type) including CD/DVD	To be provided as per	

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Ser	Description	Suggested Specification	Offered Specifications
		requirement of Electrical and Mechanical Engineers Directorate	
	c. 100% Updated Master Spare Parts Catalogue on all sys of ATV in English (Book Type) including CD/DVD).	To be provided as per requirement of Electrical and Mechanical Engineers Directorate	
	d. Master Spare Parts Price Catalogue/ List in English (Book Type)	To be provided as per requirement of Electrical and Mechanical Engineers Directorate	
	(5) Other Operators manuals in English (Book Type) for additional equipment	To be provided (If applicable)	
<u>PART - 5 : LIST OF SPARES</u>			
51.	Recommended 10% Fast and Slow Moving Spare Parts List (Hard copy) (Fast moving for 2 years and Slow moving for 5 years)	To be provided as per requirement of Electrical and Mechanical Engineers Directorate	
<u>PART - 6 : TOOLS LIST FOR DIFFERENT LEVEL OF MAINTENANCE</u>			
52.	a. Analyzer, Measuring & Testing/Fault Finding and Diagnostic set (updating the software for at least 05 years free of cost)	To be provided as per requirement of Electrical and Mechanical Engineers Directorate	
	b. Special Service Tools (SST)	To be provided as per requirement of Electrical and Mechanical Engineers Directorate	
	d. Special Service Materials (SSM)	To be provided as per requirement of Electrical and Mechanical Engineers Directorate	
<u>PART - 7 : FINANCIAL SPECIFICATION</u>			
53.	Financial aspects	To be provided	

PRELIMINARY SPECIFICATION OF ALL TERRAIN VEHICLE (ATV)- 4 SEATER

Ser	Description	Suggested Specification	Offered Specifications
<u>PART - 1: GENERAL SPECIFICATION</u>			
1.	Nomenclature	All-terrain vehicle (ATV)	
2.	Name of Local Agent with complete address (Office address, Telephone, Fax, Email and Web address)	To be mentioned	
3.	Name of Principal with complete address (Office address, Telephone, Fax, Email and Web address)	To be mentioned	
4.	Name of Manufacturer with complete address (Office address, Telephone, Fax, Email and Web address)	To be mentioned	
5.	Make and model	To be mentioned	
6.	Configuration	4x4, Right Hand Drive	
7.	Year of Production	Not before the year of contract	
8.	Country of Origin	To be mentioned	
9.	Country of Manufacture	To be mentioned	
10.	Country of Assembly	To be mentioned	
11.	Utility/Likely use (Range of utility/likely/ use may be specified)	To be mentioned	
<u>PART- 2: TECHNICAL SPECIFICATION</u>			
12.	Type	4-Seater tactical light utility ATV Details to be mentioned	
13.	<u>Dimension</u>	To be mentioned	
	a. Max Gradeability (Degree)	Minimum 30°	
	b. Fording depth (mm)	Minimum 300 mm	
	c. Turning radius (mm)	Maximum 8000 mm	
	d. Tread front (mm)	To be mentioned	
	e. Tread Rear (mm)	To be mentioned	
	f. Side Slope	Min 20°	
	g. Ground Clearance	To be mentioned	
	h. Wheel base	To be mentioned	
	j. Seating Capacity	04 pers including driver	
	k. Seat Type	To be mentioned	
	l. Seat Material	Should be water proof	
	m. Cruising Range	Minimum 100 km	
	n. Fuel Tank capacity	To be mentioned	
	p. Operating Altitude	To be mentioned	
	q. Frame	To be mentioned	
	r. Overall Length	To be mentioned	
	s. Overall width	To be mentioned	
	t. Overall Height	To be mentioned	
	u. Angle of Approach	To be mentioned	
	v. Angle of Departure	To be mentioned	

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Ser	Description	Suggested Specification	Offered Specifications
14.	<u>Engine</u>		
	a. Make and model	To be mentioned	
	b. Type	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
	f. Rated power with rpm (hp at rated RPM)	To be mentioned	
	g. Maximum torque with RPM (N.m at rated RPM)	To be mentioned	
	h. Number of Cylinder	To be mentioned	
	j. Compression Ratio	To be mentioned	
	k. Bore, Stroke	To be mentioned	
	l. Piston Displacement	To be mentioned	
	m. Engine Life	To be mentioned	
	n. Emission Standard	To be mentioned	
	p. Engine Test Bench Report	To be provided	
	q. Turbo Charger (if available)	To be mentioned	
	r. Injection type	To be mentioned	
	s. Year of production	Not before the year of contract	
15.	<u>Weight</u>		
	a. Gross weight	To be mentioned	
	b. Kerb/Curb weight	To be mentioned	
	c. Pay load	To be mentioned	
16.	Fuel Consumption	To be mentioned	
17.	<u>Fuel</u>		
	a. Fuel Type	Petrol/Diesel (Types used by Bangladesh Army)	
	b. Fuel filter type	To be mentioned	
18.	Towing Capacity and Compatible Rear Trailer	To be mentioned	
19.	<u>Winch Mechanism</u>	For self-recovery positioning at the front of the vehicle	
	a. Make and Model	To be mentioned	
	b. Pulling capacity	To be mentioned	
	c. Length of Steel Wire Rope	To be mentioned	
	d. Dia of Steel Wire Rope	To be mentioned	
	e. Control mechanism	To be mentioned	
	f. Country of Origin	To be mentioned	
	g. Country of Manufacturer	To be mentioned	
	h. Country of Assembly	To be mentioned	
20.	<u>Transmission System</u>		
	a. Type	To be mentioned	
	b. No of Gear	To be mentioned	
	c. Country of Origin	To be mentioned	

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Ser	Description	Suggested Specification	Offered Specifications
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
	f. Brand and Model	To be mentioned	
	g. Gear Ratio	To be mentioned	
21.	<u>Transfer Case</u>		
	a. Make and Model	To be mentioned	
	b. Country of Origin	To be mentioned	
	c. Country of Manufacturer	To be mentioned	
	d. Country of Assembly	To be mentioned	
	e. High Gear Ratio	To be mentioned	
	f. Low Gear Ratio	To be mentioned	
22.	<u>Maximum Speed</u>	To be mentioned	
	a. For sandy terrain	Details to be mentioned	
	b. For muddy terrain	Details to be mentioned	
	c. For rock/gravel terrain	Details to be mentioned	
	d. For mountain terrain	Details to be mentioned	
	e. For Marshy terrain	Details to be mentioned	
23.	Superstructure	Details to be mentioned and drawing/diagram to be provided	
24.	<u>Suspension System</u>	To be mentioned	
	a. Front	To be mentioned	
	b. Rear	To be mentioned	
25.	<u>Chassis</u>		
	a. Type	To be mentioned	
	b. Dimension (Length, width, height)	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
	f. Chassis frame Resistance to bending moment (RBM)	Certificate to be provided with details calculation	
26.	<u>Front Axle</u>		
	a. Type	To be mentioned	
	b. Axle capacity	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
27.	<u>Rear Axle</u>		
	a. Type	To be mentioned	
	b. Axle capacity	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
28.	<u>Brake System</u>	Details to be mentioned	
	a. Service Brake	Details to be mentioned	

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Ser	Description	Suggested Specification	Offered Specifications
	b. Parking Brake	Details to be mentioned	
	c. Emergency Brake (if available)	Details to be mentioned	
	d. Any other Brake (if available)	Details to be mentioned	
29.	Lubrication System	Details (Grade of lube oil, capacity etc) to be mentioned	
30.	<u>Tires</u>		
	a. Type		
	For sandy terrain	To be mentioned	
	For muddy terrain	To be mentioned	
	For rock/gravel terrain	To be mentioned	
	For mountain terrain	To be mentioned	
	For Marshy terrain	To be mentioned	
	b. Size	To be mentioned	
	c. Brand	To be mentioned	
	d. Country of Origin	To be mentioned	
	e. Tire ply Rating	To be mentioned	
	f. Rim Size	To be mentioned	
	g. To be commercially available	Yes	
	h. Year of production	Not before the year of contract	
31.	<u>Electric System</u>		
	a. Voltage	To be mentioned	
	b. No of Battery including Volt & Ah	To be mentioned	
	c. Alternator (Volt & AH)	To be mentioned	
	d. Starter (Volt & AH)	To be mentioned	
32.	Steering System	To be mentioned	
33.	Cooling System	To be mentioned	
34.	Starting System	To be mentioned	
35.	Color	Olive Drab/ Camouflage colour as per user requirement	
36.	Panel Lamps	To be mentioned	
37.	<u>Following accessories to be provided with each vehicle</u>		
	a. 01x spare wheel complete set with fitting attachment	To be provided	
	b. Vinyl cover for superstructure	To be provided	
	c. 02 x Fog lamp at front for drive	To be provided	
	d. 02 x Head Light, Black out light: 01 x Blackout driving light at front RH, 02x Blackout side light NATO std front LH & RH, 02xBlackout combination light NATO std (side & stop) at rear LH & RH and 01 x Blackout convoy light at rear	To be provided	
	e. Guard for all light	To be provided	
	f. Fire Extinguisher 1 Kg capacity for A B C & E type with bracket and chemical filled to be fitted at the side of driver seat	To be provided	
	g. Seat belt for driver and front passenger	To be provided	

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Ser	Description	Suggested Specification	Offered Specifications
	h. Antenna fixing base for wireless	To be provided	
	j. Fixing socket for wireless set power supply	To be provided	
	k. Base frame for fixing wireless set (Free size)	To be provided	
	l. 02 x Towing hook at front	To be provided	
	m. 1x 7.62 mm MG post	Preferred	
	(1) Model and type of the 7.62mm machine gun that can be used with the post (The Post should be compatible with 7.62mm NGs used in Bangladesh Army)	To be mentioned	
	(2) Elevation angle of the 7.62mm machine gun that can be set with the post	To be mentioned	
	(3) Depression angle of the 7.62mm machine gun that can be set with the post	To be mentioned	
	(4) Traverse angle of the 7.62mm machine gun that can be set with the post	To be mentioned	
	(5) Location of MG Post in the vehicle	To be mentioned	
	(6) Ammo stowage capacity and location in the vehicle	To be mentioned	
	n. 40 mm Automatic Grenade launcher Post	Preferred	
	(1) Model and type of the 40mm automatic grenade launcher that can be used with the post (The Post should be compatible with 40mm automatic grenade launchers used in Bangladesh Army)	To be mentioned	
	(2) Elevation angle of the 40mm automatic grenade launcher that can be set with the post	To be mentioned	
	(3) Depression angle of the 40mm automatic grenade launcher that can be set with the post	To be mentioned	
	(4) Traverse angle of the 40mm automatic grenade launcher that can be set with the post	To be mentioned	
	(5) Location of 40mm automatic grenade launcher Post in the vehicle	To be mentioned	
	(6) Ammo stowage capacity and location in the vehicle	To be mentioned	
	p. Mudguard with mud flap for all wheel	To be provided	
	q. Head rest for front & rear seater	To be mentioned	
	r. Camouflage net for vehicle	To be mentioned	
	s. Heli lift facility	To be mentioned	
	t. Inspection lamp complete with cable (10 meter), Plug & arrangement of socket in the vehicle for use inspection lamp	To be provided	
	u. All gauges and meters in dashboard (Should be in English language)	To be mentioned	
	v. Digital Clock at dashboard (if available)	To be mentioned	
	w. 12 pin electrical connection for trailer (NATO Type)	To be provided	
	x. Pintle hook rotating type NATO standard at rear	To be provided and capacity to be mentioned	

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Ser	Description	Suggested Specification	Offered Specifications
	w. Any other accessories (if available)	To be mentioned	
38.	User maintenance tools for smooth operation and maintenance	List to be submitted along with the offer	
39.	<u>Petroleum Oil and Lubricants (POL) Information's</u>		
	a. Grade of Petroleum used in vehicle	Compatible with grades available in Bangladesh	
	b. Type of Engine oil used in vehicle	Compatible with grades available in Bangladesh	
	c. Type of transmission oil used in vehicle	Compatible with grades available in Bangladesh	
40.	Any other requirement deemed necessary (if available)	To be mentioned	
41.	Model Validity	Min 10 Years	
42.	Spare Parts availability	Min 15 Years	
43.	After Sales Service	After sales service to be provided for at least 10 years by a local workshop, authorized by principal/manufacture. To be implemented by separate annex in the main contract. Free of charge up to warranty period and thereafter with payment.	
44.	Warranty	Minimum 01 year	
45.	List of Optional of items	To be mentioned	
46.	Brochure/catalogue	Original to be submitted along with the offer	
<u>PART - 3 : TRAINING REQUIREMENT</u>			
47.	<u>Part-3A: User Training</u>		
	User training	To be provided as per requirement of Infantry Directorate	
48.	<u>Part-3B: OPERATION, REPAIR AND MAINTENANCE TRAINING</u>		
	Operation, Repair and Maintenance Training on all sys of ATV	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
49.	<u>Part-3C: EQUIPMENT MANAGEMENT TRAINING</u>		
	Equipment management training of AGL system	Equipment management training of ATV/ UTV system to be provided as per requirement of Ordnance Directorate	
<u>PART - 4 : REPAIR AND MAINTENANCE REQUIREMENT LESS LIST OF SPARES</u>			
50.	<u>Publications</u>		
	a. Driver's/Owners/Operators Manual on all sys of ATV in English (Book Type) including CD/DVD	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	

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Ser	Description	Suggested Specification	Offered Specifications
	b. Workshop/Repair manual of all sys of ATV in English (Book Type) including CD/DVD	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
	c. 100% Updated Master Spare Parts Catalogue on all sys of ATV in English (Book Type) including CD/DVD).	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
	d. Master Spare Parts Price Catalogue/ List in English (Book Type)	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
	e. Other Operators manuals in English (Book Type) for additional equipment	To be provided (If applicable)	
<u>PART - 5 : LIST OF SPARES</u>			
51.	Recommended 10% Fast and Slow Moving Spare Parts List (Hard copy) (Fast moving for 2 years and Slow moving for 5 years)	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
<u>PART - 6 : TOOLS LIST FOR DIFFERENT LEVEL OF MAINTENANCE</u>			
52.	a. Analyzer, Measuring & Testing/Fault Finding and Diagnostic set (updating the software for at least 05 years free of cost)	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
	b. Special Service Tools (SST)	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
	c. Special Service Materials (SSM)	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
<u>PART - 7 : FINANCIAL SPECIFICATION</u>			
53.	Financial aspects	To be provided	

PRELIMINARY SPECIFICATION OF ALL TERRAIN VEHICLE (ATV)- 6 SEATER

Ser	Description	Suggested Specification	Offered Specifications
<u>PART - 1: GENERAL SPECIFICATION</u>			
1.	Nomenclature	All-terrain vehicle (ATV)	
2.	Name of Local Agent with complete address (Office address, Telephone, Fax, Email and Web address)	To be mentioned	
3.	Name of Principal with complete address (Office address, Telephone, Fax, Email and Web address)	To be mentioned	
4.	Name of Manufacturer with complete address (Office address, Telephone, Fax, Email and Web address)	To be mentioned	
5.	Make and model	To be mentioned	
6.	Configuration	4x4, Right Hand Drive	
7.	Year of Production	Not before the year of contract	
8.	Country of Origin	To be mentioned	
9.	Country of Manufacture	To be mentioned	
10.	Country of Assembly	To be mentioned	
11.	Utility/Likely use (Range of utility/likely/ use may be specified)	To be mentioned	
<u>PART- 2: TECHNICAL SPECIFICATION</u>			
12.	Type	6-Seater tactical light utility ATV Details to be mentioned	
13.	<u>Dimension</u>	To be mentioned	
	a. Max Gradeability (Degree)	Minimum 30°	
	b. Fording depth (mm)	Minimum 300 mm	
	c. Turning radius (mm)	Maximum 8000 mm	
	d. Tread front (mm)	To be mentioned	
	e. Tread Rear (mm)	To be mentioned	
	f. Side Slope	Min 20°	
	g. Ground Clearance	To be mentioned	
	h. Wheel base	To be mentioned	
	j. Seating Capacity	06 pers including driver	
	k. Seat Type	To be mentioned	
	l. Seat Material	Should be water proof	
	m. Cruising Range	Minimum 100 km	
	n. Fuel Tank capacity	To be mentioned	
	p. Operating Altitude	To be mentioned	
	q. Frame	To be mentioned	
	r. Overall Length	To be mentioned	
	s. Overall width	To be mentioned	
	t. Overall Height	To be mentioned	
	u. Angle of Approach	To be mentioned	
	v. Angle of Departure	To be mentioned	

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Ser	Description	Suggested Specification	Offered Specifications
14.	<u>Engine</u>		
	a. Make and model	To be mentioned	
	b. Type	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
	f. Rated power with rpm (hp at rated RPM)	To be mentioned	
	g. Maximum torque with RPM (N.m at rated RPM)	To be mentioned	
	h. Number of Cylinder	To be mentioned	
	j. Compression Ratio	To be mentioned	
	k. Bore, Stroke	To be mentioned	
	l. Piston Displacement	To be mentioned	
	m. Engine Life	To be mentioned	
	n. Emission Standard	To be mentioned	
	p. Engine Test Bench Report	To be provided	
	q. Turbo Charger (if available)	To be mentioned	
	r. Injection type	To be mentioned	
	s. Year of production	Not before the year of contract	
15.	<u>Weight</u>		
	a. Gross weight	To be mentioned	
	b. Kerb/Curb weight	To be mentioned	
	c. Pay load	To be mentioned	
16.	Fuel Consumption	To be mentioned	
17.	<u>Fuel</u>		
	a. Fuel Type	Petrol/Diesel (Types used by Bangladesh Army)	
	b. Fuel filter type	To be mentioned	
18.	Towing Capacity and Compatible Rear Trailer	To be mentioned	
19.	<u>Winch Mechanism</u>	For self-recovery positioning at the front of the vehicle	
	a. Make and Model	To be mentioned	
	b. Pulling capacity	To be mentioned	
	c. Length of Steel Wire Rope	To be mentioned	
	d. Dia of Steel Wire Rope	To be mentioned	
	e. Control mechanism	To be mentioned	
	f. Country of Origin	To be mentioned	
	g. Country of Manufacturer	To be mentioned	
	h. Country of Assembly	To be mentioned	
20.	<u>Transmission System</u>		
	a. Type	To be mentioned	
	b. No of Gear	To be mentioned	
	c. Country of Origin	To be mentioned	

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Ser	Description	Suggested Specification	Offered Specifications
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
	f. Brand and Model	To be mentioned	
	g. Gear Ratio	To be mentioned	
21.	<u>Transfer Case</u>		
	a. Make and Model	To be mentioned	
	b. Country of Origin	To be mentioned	
	c. Country of Manufacturer	To be mentioned	
	d. Country of Assembly	To be mentioned	
	e. High Gear Ratio	To be mentioned	
	f. Low Gear Ratio	To be mentioned	
22.	<u>Maximum Speed</u>	To be mentioned	
	a. For sandy terrain	Details to be mentioned	
	b. For muddy terrain	Details to be mentioned	
	c. For rock/gravel terrain	Details to be mentioned	
	d. For mountain terrain	Details to be mentioned	
	e. For Marshy terrain	Details to be mentioned	
23.	Superstructure	Details to be mentioned and drawing/diagram to be provided	
24.	<u>Suspension System</u>	To be mentioned	
	a. Front	To be mentioned	
	b. Rear	To be mentioned	
25.	<u>Chassis</u>		
	a. Type	To be mentioned	
	b. Dimension (Length, width, height)	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
	f. Chassis frame Resistance to bending moment (RBM)	Certificate to be provided with details calculation	
26.	<u>Front Axle</u>		
	a. Type	To be mentioned	
	b. Axle capacity	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	
27.	<u>Rear Axle</u>		
	a. Type	To be mentioned	
	b. Axle capacity	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Country of Manufacturer	To be mentioned	
	e. Country of Assembly	To be mentioned	

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Ser	Description	Suggested Specification	Offered Specifications
28.	<u>Brake System</u>	Details to be mentioned	
	a. Service Brake	Details to be mentioned	
	b. Parking Brake	Details to be mentioned	
	c. Emergency Brake (if available)	Details to be mentioned	
	d. Any other Brake (if available)	Details to be mentioned	
29.	Lubrication System	Details (Grade of lube oil, capacity etc) to be mentioned	
30.	<u>Tires</u>		
	a. Type	For sandy terrain	To be mentioned
		For muddy terrain	To be mentioned
		For rock/gravel terrain	To be mentioned
		For mountain terrain	To be mentioned
		For Marshy terrain	To be mentioned
	b. Size	To be mentioned	
	c. Brand	To be mentioned	
	d. Country of Origin	To be mentioned	
	e. Tire ply Rating	To be mentioned	
	f. Rim Size	To be mentioned	
	g. To be commercially available	Yes	
	h. Year of production	Not before the year of contract	
31.	<u>Electric System</u>		
	a. Voltage	To be mentioned	
	b. No of Battery including Volt & Ah	To be mentioned	
	c. Alternator (Volt & AH)	To be mentioned	
	d. Starter (Volt & AH)	To be mentioned	
32.	Steering System	To be mentioned	
33.	Cooling System	To be mentioned	
34.	Starting System	To be mentioned	
35.	Color	Olive Drab/ Camouflage colour as per user requirement	
36.	Panel Lamps	To be mentioned	
37.	<u>Following accessories to be provided with each vehicle</u>		
	a. 01x spare wheel complete set with fitting attachment	To be provided	
	b. Vinyl cover for superstructure	To be provided	
	c. 02 x Fog lamp at front for drive	To be provided	
	d. 02 x Head Light, Black out light: 01 x Blackout driving light at front RH, 02x Blackout side light NATO std front LH & RH, 02xBlackout combination light NATO std (side & stop) at rear LH & RH and 01 x Blackout convoy light at rear	To be provided	
	e. Guard for all light	To be provided	
	f. Fire Extinguisher 1 Kg capacity for A B C & E type with bracket and chemical filled to be fitted at the side of driver seat	To be provided	
	g. Seat belt for driver and front passenger	To be provided	

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Ser	Description	Suggested Specification	Offered Specifications
	h. Antenna fixing base for wireless	To be provided	
	j. Fixing socket for wireless set power supply	To be provided	
	k. Base frame for fixing wireless set (Free size)	To be provided	
	l. 02 x Towing hook at front	To be provided	
	m. 1x 7.62 mm MG post	Preferred	
	(1) Model and type of the 7.62mm machine gun that can be used with the post (The Post should be compatible with 7.62mm NGs used in Bangladesh Army)	To be mentioned	
	(2) Elevation angle of the 7.62mm machine gun that can be set with the post	To be mentioned	
	(3) Depression angle of the 7.62mm machine gun that can be set with the post	To be mentioned	
	(4) Traverse angle of the 7.62mm machine gun that can be set with the post	To be mentioned	
	(5) Location of MG Post in the vehicle	To be mentioned	
	(6) Ammo stowage capacity and location in the vehicle	To be mentioned	
	n. 40 mm Automatic Grenade launcher post	Preferred	
	(1) Model and type of the 40mm automatic grenade launcher that can be used with the post (The Post should be compatible with 40mm automatic grenade launcher used in Bangladesh Army)	To be mentioned	
	(2) Elevation angle of the 40mm automatic grenade launcher that can be set with the post	To be mentioned	
	(3) Depression angle of the 40mm automatic grenade launcher that can be set with the post	To be mentioned	
	(4) Traverse angle of the 40mm automatic grenade launcher that can be set with the post	To be mentioned	
	(5) Location of 40mm automatic grenade launcher Post in the vehicle	To be mentioned	
	(6) Ammo stowage capacity and location in the vehicle	To be mentioned	
	p. Mudguard with mud flap for all wheel	To be provided	
	q. Head rest for front & rear seater	To be mentioned	
	r. Camouflage net for vehicle	To be mentioned	
	s. Heli lift facility	To be mentioned	
	t. Inspection lamp complete with cable (10 meter), Plug & arrangement of socket in the vehicle for use inspection lamp	To be provided	
	u. All gauges and meters in dashboard (Should be in English language)	To be mentioned	
	v. Digital Clock at dashboard (if available)	To be mentioned	
	w. 12 pin electrical connection for trailer (NATO Type)	To be provided	
	x. Pintle hook rotating type NATO standard at rear	To be provided and capacity to be mentioned	

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Ser	Description	Suggested Specification	Offered Specifications
	w. Any other accessories (if available)	To be mentioned	
38.	User maintenance tools for smooth operation and maintenance	List to be submitted along with the offer	
39.	<u>Petroleum Oil and Lubricants (POL) Information's</u>		
	a. Grade of Petroleum used in vehicle	Compatible with grades available in Bangladesh	
	b. Type of Engine oil used in vehicle	Compatible with grades available in Bangladesh	
	c. Type of transmission oil used in vehicle	Compatible with grades available in Bangladesh	
40.	Any other requirement deemed necessary (if available)	To be mentioned	
41.	Model Validity	Min 10 Years	
42.	Spare Parts availability	Min 15 Years	
43.	After Sales Service	After sales service to be provided for at least 10 years by a local workshop, authorized by principal/manufacture. To be implemented by separate annex in the main contract. Free of charge up to warranty period and thereafter with payment.	
44.	Warranty	Minimum 01 year	
45.	List of Optional of items	To be mentioned	
46.	Brochure/catalogue	Original to be submitted along with the offer	
<u>PART - 3 : TRAINING REQUIREMENT</u>			
47.	<u>Part-3A: User Training</u>		
	User training	To be provided as per requirement of Infantry Directorate	
48.	<u>Part-3B: OPERATION, REPAIR AND MAINTENANCE TRAINING</u>		
	Operation, Repair and Maintenance training on all sys of ATV	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
49.	<u>Part-3C: EQUIPMENT MANAGEMENT TRAINING</u>		
	Equipment management training of AGL system	Equipment management training of ATV/ UTV system to be provided as per requirement of Ordnance Directorate	
<u>PART - 4 : REPAIR AND MAINTENANCE REQUIREMENT LESS LIST OF SPARES</u>			
50.	<u>Publications</u>		
	a. Driver's/Owners/Operators Manual on all sys of ATV in English (Book Type) including CD/DVD	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
	b. Workshop/Repair manual of all sys of ATV in English (Book Type) including CD/DVD	To be provided as per Requirement of Electrical and	

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Ser	Description	Suggested Specification	Offered Specifications
		Mechanical Engineers Directorate	
	c. 100% Updated Master Spare Parts Catalogue on all sys of ATV in English (Book Type) including CD/DVD).	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
	d. Master Spare Parts Price Catalogue/ List in English (Book Type)	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
	e. Other Operators manual in English (Book Type) for additional equipment	To be provided (If applicable)	
<u>PART - 5 : LIST OF SPARES</u>			
51.	Recommended 10% Fast and Slow Moving Spare Parts List (Hard copy) (Fast moving for 2 years and Slow moving for 5 years)	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
<u>PART - 6 : TOOLS LIST FOR DIFFERENT LEVEL OF MAINTENANCE</u>			
52.	a. Analyzer, Measuring & Testing/Fault Finding and Diagnostic set (updating the software for at least 05 years free of cost)	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
	b. Special Service Tools (SST)	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
	c. Special Service Materials (SSM)	To be provided as per Requirement of Electrical and Mechanical Engineers Directorate	
<u>PART - 7 : FINANCIAL SPECIFICATION</u>			
53.	Financial aspects	To be provided	