

**Section IX. Post Qualification, Inspection, Test and Acceptance Checklists**

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**I. Post Qualification Evaluation**

The Post Qualification (PQ) Team shall conduct post qualification evaluation and tests (as may be practically necessary), in order to verify, validate, and ascertain whether all statements made and the documents submitted comply with the provisions set forth in this bidding documents.

Envelope 1 - Eligibility and Technical Requirements		Comply / Not Comply	Findings
TAB	CLASS "A" DOCUMENTS		
<b>A</b>	<p><b>PhilGEPS Certificate of Registration and Membership in accordance with Section 8.5.2 of the IRR, RA 9184 including the following:</b></p> <ol style="list-style-type: none"> <li>1. <b>Registration Certificate or its equivalent from:</b> <ul style="list-style-type: none"> <li>• Securities and Exchange Commission, for Corporation and Partnership; or</li> <li>• Department of Trade and Industry (DTI), for sole proprietorship; or</li> <li>• Cooperative Development Authority, for cooperatives</li> </ul> </li> <li>2. Mayor's Permit or its equivalent issued by the City or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas</li> <li>3. Tax clearance per Executive Order 398, Series of 2005, as finally reviewed and approved by BIR.</li> <li>4. Audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission.</li> </ol> <p>For foreign bidders, the audited financial statements shall be prepared in</p>		

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	accordance with International Financial Reporting Standards.		
<b>B</b>	<p><b>Duly signed Statement of all on-going Government and Private contracts including contracts awarded but not yet started</b>, if any, whether similar or not similar in nature and complexity to the contract to be bid. (Projects with Notice of Award are considered ongoing projects)</p> <p>The bidder may make a reservation under oath in a notarized document not to disclose the name of its client on the ground of an existing confidentiality agreement but must disclose the amount, status, and name of the project for purposes of validating the NFCC, subject to the full disclosure during post-qualification. In this connection, the bidder may keep the name of the client from the statement of ongoing contracts.</p>		
<b>C</b>	<p><b>Duly signed Statement of single largest completed contract (SLCC) similar to the contract to be bid</b> within a period of five (5) years from the date of submission and opening of bids, the value of which must be equivalent to at least fifty percent (50%) of the ABC.</p> <p>Or</p> <p>a) Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least fifty percent (50%) of the ABC for this Project; and</p> <p>b) The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.</p> <p>For this purpose, similar contracts shall refer to <i>Manufacture / Supply of Small Arms Ammunition, Case, Bullet and/or</i></p>		

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	<p><i>Primer.</i></p> <p>The bidder may make a reservation under oath in a notarized document not to disclose the name of its client on the ground of an existing confidentiality agreement but must disclose the amount, status, and name of the project for purposes of validating the contents of the statement of single largest similar completed contract, subject to the full disclosure during post-qualification. In this connection, the bidder may keep the name of the client from the statement of single largest similar completed contract.</p>		
<b>III. FINANCIAL DOCUMENTS</b>			
<b>D</b>	<p>Duly signed NFCC Computation in accordance with ITB Clause 5.5.</p> <p>A bidder may submit a committed Line of Credit from a Universal or Commercial Bank, in lieu of its NFCC computation which must be at least equal to 10% of the ABC to be bid. Provided, that if the same is issued by a foreign Universal or Commercial Bank, it shall be confirmed or authenticated by a local Universal or Commercial Bank.</p>		
	<b>CLASS "B"</b>		
<b>E</b>	<p>Valid <b>Joint Venture Agreement (JVA)</b>, in case the joint venture is already in existence, if applicable.</p> <p>or</p> <p><b>Duly notarized undertaking or agreement</b> from all potential joint venture partners to enter and abide by the provisions of the JVA in the instance that the bid is successful. Failure to enter into a joint venture in the event of a contract award shall be ground for the forfeiture of the bid security.</p>		

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	<p>Authority of the representatives.</p> <p>In case JVA is not applicable, the bidder must submit a statement stating that JVA is not applicable in lieu of the foregoing.</p>		
<b>TAB</b>	<b>TECHNICAL DOCUMENTS</b>		
<b>F.</b>	<p><b>Duly notarized Affidavit of Bid Securing Declaration, or any form of Bid Security,</b> in an amount not less than the required percentage of the ABC in accordance with the following schedule:</p> <ol style="list-style-type: none"> <li>1. Cash, or cashier's / manager's check issued by a Universal or Commercial Bank equivalent to two percent (2%) of the ABC; or</li> <li>2. Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank equivalent to two percent (2%) of the ABC; or</li> </ol>		
<b>G</b>	<p><b>Duly signed Statement of Conformity with the Schedule of Requirements and Technical Specifications,</b> as enumerated and specified in Section VI and Section VII of the Bidding Documents with a copy of Manufacturer's Test and Acceptance Procedure (MTAP).</p> <p>Note: For bidders participating as suppliers or distributors, the MTAP to be submitted shall be from the principal.</p>		
<b>H</b>	<p>Notarized <b>Omnibus Sworn Statement</b> in accordance with Section 25.2(a)(viii) and Section 25.3 of the 2016 Revised IRR of RA 9184, and using the form prescribed in Section VIII (Bidding Forms).</p>		

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<b>I</b>	Duly notarized Secretary's Certificate or Board Resolution or Special Power of Attorney of the authorized Representative of the Bidder.		
	<b>FINANCIAL PROPOSAL DOCUMENTS</b>		
<b>A</b>	Duly signed Financial Bid Form. Price Proposal. Bid Prices and Schedule of Requirements/Bill of Quantities with corresponding price for each item and the applicable Price Schedules.		
<b>B</b>	Duly signed itemized Price Proposal for Goods offered.		

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**Test and Acceptance Trial Procedures**

The following test and trial procedures shall guide both the PN-PAF and the supplier of the Light Armor Systems Upgrade PNPAF Project in ensuring that the equipment delivered are compliant with all technical specifications. These procedures shall be conducted at Crow Valley Tarlac/MBGL Ternate Cavite anytime land endurance trials in the presence of both the PN-PAF and the supplier or their duly designated representatives.

Upgrade components/parts should be supported by a document certifying that all components/parts are brand new and conforms to technical specification

<b>Test and Trials. The following tests and trials shall be conducted in the following stages:</b>
Stage 1 – Visual Inspection
Stage 2 – Performance Test (Break-in Run, Post Break-in, Post Road Test)
Stage 3 – Acceptance (Documentation)
Stage 4 – Dimensional Test
Stage 5 – Accessories

**Mobility Upgrade**

VISUAL INSPECTION TEST			
1. EXTERIOR FRONT	Comply	Not Comply	Comment
Check for loose, missing or damaged; Check for masking tape on BO drive lenses;			
Headlights, turn indicator, lenses			
Fuel caps			
Fuel tank filler neck			
Tow rings, Lifting eyes, markings			

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Winch, cable, chain			
Vision Blocks			
Vehicle S/N stamped on lifting eye LEFT SIDE			
2. EXTERIOR, LEFT SIDE (Door/Hatch opened) Check for loose, missing or damaged;	Comply	Not Comply	Comment
Vision block			
Taillight lenses			
Paint			
Fuel Can/Decon Mounting Bosses			
3. EXTERIOR, REAR Check for loose, missing or damaged;	Comply	Not Comply	Comment
Exhaust grill hardware			
Taillights, blackout lenses, reflectors			
4. EXTERIOR, RIGHT SIDE (Door/ Hatch opened) Check for loose, missing or damaged;	Comply	Not Comply	Comment
Vision blocks			
Taillight lenses			
5. UNDERSIDE (CREEPER REQUIRED) Check for loose, broken or damaged; Check cotter pins and safety wire	Comply	Not Comply	Comment
Drain plugs removed (drain hole threads lubricated)			
Brake system tubes, hoses for leaks, damage			
Front/rear axles for leaks			
6. ENGINE SERVICE COMPARTMENT Check for loose, missing or damaged:	Comply	Not Comply	Comment
Indication of exhaust leak			
Check for oil/hydraulic leaks Coolant			
7. INSIDE – REAR Check for loose, missing or damaged; Remove the two rear closeout panels and inspect for leaks, damaged A/C and Fan belts, Engine shutoff and throttle linkage are secure	Comply	Not Comply	Comment
Batteries clamps no damage			
Inspect engine closeout panels are secure			

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<b>INSIDE – CREW AREA</b>	Comply	Not Comply	Comment
Check for loose, damaged or unsecured equipment such as wire harnesses and hoses; Verify installation and function			
Main fire extinguisher is properly secured and positioned so that the electrical connector can be installed prior to handoff of vehicle			
Hand held fire ext brackets on R/L front wheel wells or in OVM			
Visual/functional check seat belts, and damage			
Floor plates, retainer clips, wire/hose protection			
Transmission, T-case covers, properly secured			
VISUAL AND FUNCTIONAL CONTINUED	Comply	Not Comply	Comment
With BO override on check all indicator functional			
Driving lights, BO lights, Turn signals, Emergency flashers, Instrument panel lights			
Winch label			
Parking Brake, light			
CHECK FLUID LEVELS	Comply	Not Comply	Comment
HYDRAULIC			
TRANSMISSION			
TRANSFER CASE			
ENGINE OIL			
BRAKE FLUID			
ANTI-FREEZE			

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MOBILITY UPGRADE CHECKLIST PRIOR TO CUSTOMER SIGNOFF		
Specifications	Insp	Date
Verify that fuel tanks have 1/4 to 3/8 fuel level in both tanks		
Engine serial number on the ID plate matches the engine serial number listed in the traveler		
Coolant level in the radiator overflow bottle is within the required parameters		

**MOBILITY UPGRADE VEHICLE ACCEPTANCE TEST DATA  
BREAK-IN RUN**

**Break-in run requirements and conditions:**

1. Vehicles must have Break-in of approximately 1.5 miles consisting of the following mileage and speed. During Break-in, brake shoe lining and Parking/Emergency brake lining must be burnished to seat drums. Apply brakes approximately one (1) time per each 1/4-mile, alternate systems, Parking/Emergency brake and then service brakes. Exercise caution not to overheat drums and glaze lining

Division Of Run	Speed (Kilometers/Hour)	Minimum Distance (Meters)
Hard Surface Roads	0 – 32	1,600
Hard Surface Roads	0 – 8	800 meters in 4 -Wheel Drive with 30 meters minimum in reverse gear

2. Vehicle must have break-in performed with all necessary adjustments made, secured and accepted by Quality Control Inspector
3. Observations that are acceptable will be initialed or stamped - DEFICIENCIES FOR CORRECTIVE ACTION - will be noted on an OIWS (**Open Item Work Sheet**) and Reworked
4. Record Odometer Reading – Original Reading \_\_\_\_\_ After Break in \_\_\_\_\_

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During Break-In Test, the Following Will be Verified and Any Unsatisfactory Operations shall be Reported			
	Specifications	Insp	Date
1	Inspect vehicle thoroughly for any system leakage or loss of lubricants prior to test functions		
2	Engine Performance: Functional		
3	Engine idle speed (with transmission in neutral) 950 ±50 R.P.M.: Visual		
4	No looseness of components: Auditory		
5	Steering Operations:		
A	Turn steered wheels to their limits on a stationary vehicle verify steering stops are adjusted and no leakage of hydraulic fluid throughout the steering system: Funtional/Visual		
B	Visually verify clearances between steering knuckles, tie rod ends, and all other steering components and hull structure throughout entire steering range: Visual		
6			
A	Check transmission for smooth operation/shifting in all gears including reverse: Visual		
B	Verify that all axles are driven and that the transfer case can drive only the rear axle, if selected: Functional		
C	Engage and disengage all-wheel drive and verify transfer case can attain 40 Km/h: Functional		
7			
A	Transmission to Transfer Case Gear Coupler. Running true thru: Functional		
B	No excessive Vibration: Auditory		
8	Brakes:		
A	Service: Functional		
B	Parking Hand Brake: Functional		
C	Engine does not stall during hard braking: Functional		
9	Instrument Functional Check:		
A	Speedometer/Odometer: Visual		
B	Speedometer needle operation: Visual		
C	Battery voltmeter Gage, registers in the Green zone during operation. When engine is not running, indicator should register in the Yellow or Green zone: Visual		
D	Oil Pressure Gage. (10 – 30 PSI at idle, 45 - 85 PSI during operation): Visual		
E	Tachometer: Visual		

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F	Operate fuel selector valve handle, verify proper orientation to tank select positions: Visual/Functional		
G	With engine running operate winch valve ensure proper winch function: Functional		
10	Stop after Break-in Run and make a thorough inspection around vehicle for the following items:		
A	Engine (Overheating): Visual		
B	Brake Drums (Overheating): Visual		
C	Fuel Gage Function (2): Visual		
D	Loose Components: Visual		
E	Leaks: Visual		
F	Abrasions: Visual		
G	Damage to Components: Visual		
H	Tire Wear: Visual		

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POST BREAK-IN		
*Vehicle shall be operated a minimum of 10 (16km)miles without payload on a paved surface		
DIVISION OF RUN	SPEED (MPH)	DISTANCE MILES (MIN)
A. Hard Surface Roads	0-to 20 (32kph) MPH	8 (12km)miles
B. Hard Surface Roads	0-to 20 MPH	2 (3.2km)miles in 4-Wheel Drive
TEN MILE ROAD TEST		
Specification	Insp	Date
1. Acceleration from 0-20 MPH in 8 seconds or less. Conduct this test 3 times and average the three times for the results Record results: Test # 1: _____ Test # 2: _____ Test # 3: _____ Average: _____		
2. Axles (Operational)		
3. Drive Shafts a. Transmission to Transfer Case Gear Coupler (Functional) b. No excessive Vibration (Auditoty)		
4. Brakes a. Service b. Parking/Emergency Brake		

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<ul style="list-style-type: none"> <li>c. Actuate parking brake and check for proper function of parking brake indicator light</li> <li>d. Engine does not stall during hard braking</li> </ul>		
<p>5. <u>Drivers Station.</u> Check gauges, lights, vision devices, wipers, folding rearview mirrors, seats, hatches, intercom and transmission/brake levers for proper operation and installation.</p> <ul style="list-style-type: none"> <li>a. Speedometer/Odometer</li> <li>b. Speedometer needle operation must be smooth</li> <li>c. Battery voltmeter Gage, registers in the Green zone during operation. When engine is not running, indicator should register in the Yellow or Green zone</li> <li>d. Oil Pressure Gage. (10 – 30 PSI at idle, 45 - 85 PSI during operation.)</li> <li>e. Temperature Gage. (175 / 212 deg. F. +/- 5 % During operation) Maximum coolant temperature of 220 deg. F. should not be exceeded.</li> <li>f. Tachometer</li> </ul>		
<p>6. Stop after Break-in Run and make a thorough inspection around vehicle for the following items. (VISUAL)</p> <ul style="list-style-type: none"> <li>a. Engine (Overheating)</li> <li>b. Brake Drums Overheating)</li> <li>c. Fuel Gage Function (2)</li> <li>d. Loose Components</li> <li>e. Leaks</li> <li>f. Abrasions</li> <li>g. Damage to Components</li> <li>h. Tire Wear</li> </ul>		

<b>VEHICLE ACCEPTANCE POST ROAD TEST</b>		
<b>Specification</b>	<b>Insp</b>	<b>Date</b>
<p>1. With engine enclosures &amp; tunnel covers removed, inspect for any evidence of leakage, excessive heat, components loosening or any other physical damage, no evidence of steering components making contact with the hull structure i.e.: witness marks.</p>		

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2. Inspect for any hydraulic oil leakage in brake system.		
3. Inspect Belt Tension: a. A/C Compressor (If fitted) b. Inspect that belts are not frayed or damaged (any indication of belt wear is caused by rough spots on pulleys). Visually inspect pulley if belts are being worn or frayed.		
4. Check all transfer case and mounting hardware and jacking bolt for loosening after road test.		
5. Inspect for any hydraulic oil leakage		
6. Check entire fuel system including fuel transducer for leaks.		
7. Inspect that exposed tubing and hoses are free from chafing		
8. <b>Workmanship:</b> Inspect V-150 components/assemblies and end item vehicle for proper workmanship. There shall be no evidence of cracks, dents, scratches, burrs, sharp edges, loose parts, or foreign matter. Electronic components shall be positioned/protected to avoid contact with sharp edges. Ties, straps and lacing shall not cause the wire or cable insulation to deform so that performance is adversely affected.		
9. Inspect for any leakage in brake system.		

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FINAL INSPECTION REPORT		
Specification	Insp	Date
1. Upper door release rods to not display slop within the mounting tube and operate without binding or restriction.		
2. Verify proper adjustment of upper door parrot hook for releasing the door from the stowed position when activated, door should clear latch when released.		
3. Inspect entire underside brake system for any leaks.		
4. Inspect front and rear axles for any		

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lubricant leaks.		
5. Inspect all four tire and wheel assemblies, valve stem caps installed. No evidence of damage or cuts in tires.		
6. Check for oil leakage at engine oil drain hose and drain valve.		
7. Visually/functionally check troop seat for damage, proper function and installation of seat belts and latching mechanism, all seats shall have padded seat cushions and padded backrests.		
8. Inspect Electrical Cables are free from chafing.		
9. Inspect installation and function of driver's and commander's seats, forward and aft, collapsed and extended, without any restrictions or binding, seat belts installed on underside of seat, seat assemblies securely fastened to seat supports, retractable shoulder belts installed at roof line and functional, seats cannot be jarred loose from any position of the hydraulic height adjustment.		
10. Check for proper function of hatch cam installed on Commanders and Drivers pivot hatch levers.		
11. Fuel shut off cable functions without binding or restriction.		
12. Inspect installation of fuel selector valve assembly: a. Check hose assemblies, selector valve and handle for leaks. b. Operate selector valve handle, verify proper orientation to tank select positions.		
13. Actuate parking brake and check for proper tension, verify proper function of parking brake indicator light		
14. Verify proper function of parking brake interlock		

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**One Meter Turret Upgrade**

<b>1.0 VISUAL INSPECTION TEST</b>			
	Comply	Not Comply	Comment
<b>1.1 Traverse</b>			
The One-Meter Turret traverse mechanism must be operated electrically with manual back-up.			
<b>1.2 Elevation</b>			
Primarily must be operated electrically with manual back-up.			
<b>1.3 System operation</b>			
The One-Meter Turret must be operated by one (1) gunner.			
<b>1.4 Interchangeability of components/ parts</b>			
One-Meter Turret and mobility upgraded parts must be interchangeable with other One-Meter Turrets that undergone said upgrades.			
<b>1.5 Parts/Component Markings</b>			
Each major component for One Meter Turret Upgrade should have its own unique serial number and its date of manufacture in order to easily identify which turret already needs maintenance.			
<b>1.6 Gunner's Display/ Monitor Marks</b>			
The periscope, display camera, gauges, control panel and all other display in the new system should be in English-version for functional use and understanding by the operators.			
<b>1.7 Gunner's Control Mechanism</b>			
Brand New Component. Joystick control with fire button and Palm enable button that consist the following: a) Traverse Gearbox b) Joystick Assembly c) Elevation Actuator d) Backup Manual Control Assembly			

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<b>1.8 Backup Manual Control Assembly</b>			
Brand New Component. Manual traverse and elevation control handle that is used in case of drive failure			
<b>1.9 Gunner's Control Panel</b>			
Brand New Component. Provides an interface to the gunner for electrical operation. It consists of the following components: a) Gunner's Control Panel b) Gunner's Control Panel Mounting Bracket			
<b>1.10 Gunner's Sight Camera (Day and Night System)</b>			
Brand New Component. The Gunner's Sight Camera Assembly is provided to improve identification and engagement of targets. It consists of following components: a) Gunner's Sight Camera and mount assembly b) Gunner's Display and mount assembly c) Armor Protection			
<b>1.11 Main Turret Electrical System</b>			
Brand New Component. That provide electrical requirement for the turret which consist of a) Power Distribution Unit Assembly b) Gunner's Control Panel c) Slip Ring Assembly d) Brake Foot Pedal Assembly e) Main Wiring Harness Assembly f) Alternator Assembly g) Limit Switch and Cable Assembly			
<b>1.12 Ring Gear</b>			
Brand New Component			
<b>1.13 View Blocks Assembly</b>			
Brand New Component (3 inch)			
<b>1.14 Gun Cradle</b>			
Brand New Component for: a) 12.7mm (M2 HB) as main gun b) 7.62mm (M240 and M60E2) co-axial gun			
<b>1.15 Gun Mount</b>			
Brand New Component Modular gun mount and adaptable to			

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existing gun installed on the vehicle a) 12.7mm (M2 HB) as main gun b) 7.62mm (M240 and M60E2) co-axial gun			
<b>1.16 Gunners Seat</b>			
Brand New Component			
<b>1.17 Spent Cartridge System</b>			
Brand New Component. Cartridge collection system for a) 7.62mm and 12.7mm gun ammunition that will be mounted with gun mounts			
<b>1.18 Spotlight Assembly</b>			
Brand New Component			
<b>1.19 Interrupt Switch Assembly</b>			
Brand New Component			
<b>1.20 Interior Light Assembly</b>			
Brand New Component			
<b>1.21 Vent Blower Assembly</b>			
Brand New Component			
<b>2.0 PHYSICAL PERFORMANCE (ONE METER TURRET UPGRADE)</b>			
	Comply	Not Comply	Comment
<b>2.1 Traverse</b>			
<b>2.1.1</b> Can traverse or rotate on a 360 degrees clockwise and counter-clockwise movement respectively at a speed rate of 30°-50° deg per sec.			
<b>2.1.2</b> One counter Clock Wise (CCW) revolution of Traverse manual handle is give approx. 4.7 deg CW rotation of turret and one CW revolution of traverse handle is approx. 4.7 deg ACW rotation of turret			
<b>2.2 Elevation</b>			
Mounted main and co-axial guns on the One-Meter Turret should be elevated to sixty (60) degrees maximum and negative (-) 8 degrees depression with actuator ensures the following limits of gun operation: a) Elevation : +55° b) Depression : -8°			
<b>2.3 Sight Unit (day and night Camera and Gunner Periscope)</b>			
Brand New sight unit should be protected			

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and be capable for night operations, water resistant, and shock resistant			
<b>2.4 Stability</b>			
There should be no unnecessary traversing, no slipping of trails and other unnecessary movement of parts during firing.			
<b>3.0 ONE METER TURRET ASSEMBLY PARTS TECHNICAL SPECIFICATIONS</b>			
<b>3.1 TURRET ASSEMBLY</b> composed of the following:			
<b>3.1.1 Turret</b> Brand new component which includes: a. Ring gear b. Turret basket c. Gunner's seat View blocks assembly			
<b>3.1.2 Turret Body and gunners hatch</b> Refurbished turret. It includes repair, cleaning and repainting of the component.			
<b>3.1.3 Control, Traverse Mechanism</b> Brand New Electrically Operated with manual back-up			
<b>3.1.4 Control, Elevation Mechanism</b> Brand new Electrically Operated with manual back-up.			
<b>3.1.5 Vision Blocks Assembly</b> Brand new set of 3" view block assembly			
<b>3.1.6 Slip-ring</b> Brand New with minimum two power channels for electrical load of 60A@ 50VDC continuous and 12 channels of 10A@50Vdc for communication			
<b>3.1.7 Spotlight</b> Brand new with high Intensity LED SPOT LIGHT. <b>3.1.8</b> This ultra-compact LED light produces minimum 2750 lumen output at 10-degree beam width which is > 100000 candle power with low voltage and amp draw, 50,000-hour service life providing operators with a versatile and powerful LED lighting solution.			
<b>3.1.9 Ring Gear</b> Brand new ring gear that has same			

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mounting interfaces of existing turret and hull.			
<b>3.1.10</b> Vent blower Brand new Vent blower for gun smoke and heat exhaust			
<b>3.2 SIGHT ASSEMBLY</b>			
<b>3.2.1</b> Brand new sight assembly. Gunner Sight Camera with day and night (thermal imaging camera) will be mounted on a new sight mount bracket.			
<b>3.2.2</b> The video output of sight will be displayed on Gunner's Display mounted inside the turret and in front of the gunner.			
<b>3.3.3</b> Sight is enclosed in an armor shroud complying STANAG level 1 protection.			
<b>3.3.4</b> The gunner can survey the space in front of the turret for potential threats, perform, and engage targets.			
<b>3.3.5</b> Display unit that meets MIL-STD-1275 and have few functional keys ergonomically placed on the border of display to perform certain tasks while system operation. Must have a Mil Marking Over Lay.			
<b>3.3.6</b> With Time Lapse function, the dashboard camera will take photos at specified intervals to create a video. Supports up to 256GB microSD cards.			
<b>3.3.7</b> When the built-in gravity sensor detects a sudden shake or collision, the car cam dash camera will lock any important footage from being overwritten. Loop recording automatically overwrites the oldest recordings with the newest ones when the card reached its maximum storage.			
<b>3.3.8</b> Captures instant pictures with a quick press snapshot button. Enabled GPS- track the driving route, location and speed with KM/H or MP/H.			

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<p><b>3.3.9</b> The day and night Camera provide the following ranges for a human target of size 0.5m X 1.8m under ideal atmospheric conditions: a) Detection Range : <math>\geq 1500m</math> b) Identification Range : <math>\geq 1000m</math> The Day Camera has an electronic zoom facility that is <math>\geq 10X</math>.</p>			
<p><b>3.3 Laser Range Finder (LRF)</b></p>			
<p><b>3.3.1</b> Brand New Component that uses a laser beam to determine the distance at maximum of (2) kilometers to an object.</p>			
<p><b>3.3.2</b> The device must be integrated with the gunners display monitor</p>			
<p><b>3.4 Periscope, Gunner M28Sight</b></p>			
<p>Refurbished- replacement of rubber fittings and seals, purging</p>			
<p><b>3.5 Smoke Grenade launcher</b></p>			
<p>Brand new component. Device that launches screening smoke grenades by electrical ignition. Four (4) aluminum discharger tubes mounted on an</p>			
<p><b>3.6 Painting of Light Armor Vehicle</b></p>			
<p>Painting of all upgraded LAV using PHILMARPAT and PAF paint pattern</p>			

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