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06.06.0000.07.214.re-eval.24/P-1/ ARV LT TK

09 October 2024

PROCUREMENT OF ARMOURED RECOVERY VEHICLE FOR LIGHT TANK FOR BANGLADESH ARMY.

Reference:

- Army Headquarters, General Staff Branch, Armoured Directorate letter number 23.01.901.030.01.011. 02.03.10.24 Dated 07 October 2024 (Not to all).
- Please be informed that, Bangladesh Army is planning to procure Armoured Recovery Vehicle Light Tank. Therefore, you are requested to submit following documents/ information in respect of Armoured Recovery Vehicle Light Tank directly to Army Headquarters, General Staff Branch, Armoured Directorate, Dhaka Cantonment by 24 October 2024 as following:
 - a. Provide information as mentioned in Anx A.
 - b. Catalogue/Brochures (Original in English).
 - c. Parts Catalogue (Original in English).
 - d. List of Standard Services Tools and Standard Service Material.
 - e. Technical/Training/Maintenance/Operational Manual (Original in English).
 - Workshop/Repair Manual (Original of the recommended models).
 - g. Manufacturers Authorization Certificate to the concerned firm.
 - h. Proper Authorization from principal of the firm/company to sign the contract.
 - Valid certificate from Original Equipment Manufacturer as authorized agent, Stocking Depot, Maintenance Center or Authorized Dealer.
 - k. Provision of repair, maintenance and after sale services support from manufacturers.
 - I. The International reputation of the firm/company/principal/manufacturer and quality of particular equipment/item.
 - m. Use of the items by their own defence service.
 - n. Number of clients/ countries using the items/equipment.
 - p. Previous track records of the manufacturer/supplier (both in Bangladesh and other countries).
 - q. Yearly production volume.
 - r. Independent production capability of spares in own factory and degree of maintenance support assurance.
 - s. Line of maintenance facilities of establishment available in Bangladesh (To what items it may be concerned).
 - For joint venture companies special care to be taken before evaluation/standardization. Percentage of components in their own country and percentage out sourced to be mentioned.
 - u. Principal/manufacturer whether having both production and assembly line or not.
 - v. Research and development (R&D), Model validity of the equipment facilities of the company/firm/manufacture.
 - You are also requested to provide enlistment certificate of DGDP along with technical offer. Lack of any information will disqualify the offer.

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3. Forwarded for your information and necessary action please.

SHEULY AKTER Lieutenant Colonel For Director General

Annex:

A. Preliminary Technical Specification of Armoured Recovery Vehicle for Light Tank - 15 (Fifteen) Pages only.

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, Armoured 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.

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ANX-A

PRELIM SPEC FOR ARV FOR LT TK

| Ser | | Description | Proposed Prelim Spec of ARV for LT Tk | To be filled up by Manufacturer |
|------|-------------------|---|---|---------------------------------------|
| ART | 1. GENE | RAL SPECIFICATION OF OPERATIONA | L AND FUNCTIONAL CAPABILITY | |
| 1 | Genera | Purpose and Description | a The general purpose of the Armoured Recovery Vehicle (ARV) is to carryout recovery and assist repair in the field | |
| | | | The size weight and power of the ARV should allow it to go where a Light Tank VT-5 can go c. All the mechanical system incorporated should preferably be like that of the Light Tank VT-5 d. The weapons and armoured are for self defense purpose only e. The ammunition used for ARV should be similar to existing ammunition used by BD Army f. The radio set should be compatible with the existing radios in all respect. g. Spare parts should have sustainable sources. | |
| PART | 1-2: TEC | HNICAL SPECIFICATION | h. Lub oils and hydraulic oils should be of commercially avail grades | |
| 2 | Name | of Armoured Recovery Vehicle (ARV) | Details to be mentioned | |
| 3 | Name manuta | and detailed contact address of the cturer | Details to be mentioned | |
| 4 | agent | and detailed contact address of the Local | Details to be mentioned | |
| 5 | Name : Princip | and detailed contact address of the | Details to be mentioned | |
| | Make | Type and Model | Details to be mentioned | |
| | | ig of countries | Group A.B and C | |
| 8 | | or Ongin | Group A.B and C | |
| | | y of Martufacture | Group A.B. and C | |
| | | u' Haselno y | Group A B and C | |
| | | ii Data | | |
| | | Compativie.grt | 33 ± 3 tons | |
| | | Crea | To be mentioned | |
| | | Ground Pressure (Kg/cm²) | 0.70 ± 0.10Kg/cm ² | |
| | | Power to weight ratio (hp/ton) | > 25 HP/Ton | |
| | 2 | Ground clearance (mm) | > 400 mm | |
| | e f | Compat Operational Temperature Range | | |
| | (C - | | | |
| | - | | | |
| | 9 | Track | Date I to be mentioned | |
| | | (1) <u>Tread</u> (mm) [Distance between center of two tracks] | | |
| | | (2) Length of Track on Ground | Details to be mentioned | 4-1-12 |
| | | (3) Track to Track Distance | Details to be mentioned | |
| | | (4) Type of Track Block used | Rubber Padded Steel Track | |

| Ser | | Description | Proposed Prelim Spec of ARV for LT Tk | To be fillet. |
|-----|--|--|--|---------------|
| | | | Proposed Frenin Spec of ARV for ET TK | Massfacturer |
| | h. <u>Dime</u> | nsions | | |
| | (1) | Length of ARV (mm) | | |
| | | (a) Length of ARV (without Dozing Spade/Blade) | Details to be mentioned | |
| | 11000 | (b) Length of ARV (with Dozing Spade/Blade) | Details to be mentioned | |
| | (2) | Height of ARV (mm) | | |
| | | (a) Height of ARV without AAMG | Details to be mentioned | |
| | | (b) With AAMG at | Details to be mentioned | |
| | | maximum elevation | Dolana to de mistinanda | |
| | (3) | Width of ARV (mm) | | |
| | (0) | (a) Width of ARV without | Dotails to be mentioned | |
| | | Side Skirt | Details to be mentioned | |
| | | (b) Width of ARV with | Details to be mentioned | |
| | | Side Skirt | | |
| 12. | Type of Tank | to be recovered | Should be Capable of conducting Recovery Operation (Towing, Pulling, Lifting etc.) for Light Tank VT-5 | |
| 13. | Power Pack (| (Engine) | 2.976 130 115 4 1 0 | |
| | | and Model | Details to be mentioned | |
| | b. Type | | Details to be mentioned | |
| | | try of Origin | Group A,B and C | |
| | | of the manufacturer | Group A,B and C | |
| | | try of Assembly | | |
| | | num rated Power with RPM (hp at | Group A,B and C | |
| | rated RPM) | num rated rower with Krivi (np at | Details to be mentioned | |
| | | num Torque with RPM (N m at | Details to be mentioned | |
| | | per of Cylinder | Details to be mentioned | |
| | | pression Ratio | Details to be mentioned | |
| | the state of the s | Stroke | Details to be mentioned | |
| | Printed and the Control of the Contr | Displacement | Details to be mentioned | |
| | | charger/ Supercharger (if | Details to be mentioned | |
| | applicable) | Chargen Supercharger (ii | Details to be memoried | |
| | the state of the s | ne Life (Minimum Motor Hours | ≥ 10000 Km / 1000 motor hours | |
| | | e basic starting system | Details to be mentioned | |
| | | per of means available to start the | Details to be mentioned | |
| | engine | STATE OF CHECKER OF STATE LINE | DOLONG TO DE INSTITUTIONE | |
| | | ised by Engine/ Power Pack | Diesel | |
| | | e test bench report | During inspection Engine Test Bench report (for each model) which was | |
| | | | prepared by manufacturer during | |
| | | | production of engine at manufacturing | |
| | | | factory must be produced and submitted to | |
| | | | the PSI team for each model (duly signed | |
| | | | and stamped by the manufacturer) Other | |
| | | | engines (mentioning engine number) of the | |
| | | | same model will be certified confirming the | |
| | | | engine Test Bench Report by the | |
| 14. | Auxiliary Pow | ver Unit (APU) (Optional) | manufacturer (duly signed and stamped) | |
| | D | and Madal | To be continued | |
| | | and Model | To be mentioned | |
| | | of APU used on ARV | Details to be mentioned | |
| | c Count | ry of Origin and Manufacture | Details to be mentioned | |

| | Description | Proposed Prelim Spec of ARV for LT Tk | To be filled up by Manufacturer |
|---|--|---------------------------------------|---------------------------------------|
| | Name of Manufacturer with complete | Details to be mentioned | |
| | address (Addresses, Telephone, Fax, Email & Website) | | |
| + | e Year of Manufacture | Not earlier than the contracted year | |
| - | f Fuel type, delivery and supply system of | Diesel | |
| | APU | Details to be mentioned | |
| | g Maximum power output of APU | Details to be mentioned | |
| | h Location of APU on ARV | Details to be mentioned | |
| | Functions of APU | Details to be mentioned | |
| | k Type of armour protection available for | Details to be mentioned | |
| | APU | | |
| | Cooling System | | |
| | a Type of Cooling System | Liquid/ Water Cooled | |
| | to Total capacity of coolants/ water in the | Details to be mentioned | |
| | radiator (Lifers) | | |
| | Lubrication System | | |
| | a Total capacity of lubricant in the System | Details to be mentioned | |
| | (Life's) | | |
| | b Operating pressure in Lub System | Details to be mentioned | |
| 1 | (kg/cm²) | Common commercial grade. | |
| | c Type of Lubricant | Grade to be mentioned | |
| | d Total capacity of lubricant in the Spare Tanks | Details to be mentioned | |
| | (Liters) | | |
| | Pneumatic System | | |
| | a Operating pressure required on Pneumatic System (kg/cm²) | Details to be mentioned | |
| 1 | Hydraulic system | | |
| | a Total capacity of hydraulic oil in the tank | Details to be mentioned | |
| | (liters) | | |
| | b Type of Hydraulic Oil | Common commercial grade. | |
| | | Grade to be mentioned | |
| | e Country of origin | Group A,B and C | |
| | d Country of Manufacture | Group A B and C | |
| | e Country of Assembly | Group A B and C | |
| | Steering System | Details to be mentioned | |
| | | | |
| | Electric System | Details to be mentioned | |
| | a Type total number voltage amp-hour | Details to be mentioned | |
| | Tipe and number of generator/ alternator | Details to be mentioned | |
| | | Described to the Hallians | |
| | Electrical operating power | Details to be mentioned | |
| | Running Gears | | |
| | a Suspension | (1) Hydro-pneumatic/ Any other better | |
| | a supportunit | system | |
| | | (2) Details to be mentioned | |
| | b Track Propelling System | Details to be mentioned | |
| | (1) Type and numbers of | Details to be mentioned | |
| | Road Wheel | | |
| | (2) Track Block/ Link/ Shoe (Steel | | |
| | track block having provision of fitting | | |
| | . rubber pad) The ARV track to be | | |
| | supplied with rubber pad | Catally to be manufaced | |
| | (a) Type of Track Block used | Details to be mentioned | + |
| | (b) Dimension (Length & VVidth) (mm) | Details to be mentioned | - L |

| Ser | Description | Proposed Prelim Spec of ARV for LT Tk | To be filled u v Manus urer |
|------|---|--|-----------------------------------|
| | (c) Weight of each Track Block (kg) | Details to be mentioned | |
| | (d) Total weight of each Track (kg) | Details to be mentioned | |
| | (e) Total numbers of Track Block on each track | Details to be mentioned | |
| 22. | Braking System (Preferably hydraulic assisted mech brake) | Details to be mentioned | |
| 23. | Final Drive | Details to be mentioned | |
| | a Country of origin | Group A.B and C | |
| | b Country of Manufacture | Group A,B and C | |
| | c Country of Assembly | Group A.B and C | |
| 24 | Transmission System | | COLUMN STREET |
| 2.74 | a Main Gear Box | | |
| | (1) Type/Model of Gear Box | Details to be mentioned | |
| | | Describ to the management | |
| | (2) <u>Number of Gears</u> (a) Number of Forward | Details to be mentioned | |
| | Gear | | |
| | (b) Number of Reverse Gear | Details to be mentioned | |
| | (3) Gear Ratio at various gears | Details to be mentioned | |
| | (4) Speed at various gears (km/hour) | Details to be mentioned | |
| | (5) Gear Control Mechanism (Preferable Hydraulically Assisted Mechanical Control) | Details to be mentioned | |
| | b Speedup/ Connecting/ Transmission | Details to be mentioned | |
| | Gear Box (If applicable) c. Master Clutch (If applicable) | | |
| | | Details to be mentioned | |
| | | Details to be memmed | |
| | Mechanism | Details to be mentioned | |
| | d PSM/ Equivalent Steering Mechanism | | |
| | e. Country of Manufacture | Group A.B and C | |
| | f. Country of Origin | Group A.B and C | |
| | g Country of Assembly | Group A.B and C | |
| 25 | Operational Data | | |
| | a. Average Speed (km/h) | The second secon | |
| | (1) On high way (Minimum 40 km/h) | Minimum 40 km/h | |
| | (2) On cross country road (Minimum 35 km/h) | Minimum 35 km/h | |
| | b. Maximum Speed (km/h) | | |
| | (1) Maximum speed on high way (Minimum 70 km/h) | Minimum 70 km/h | |
| | (2) Maximum speed on country road | Minimum 60 km/h | |
| | (Minimum 60 km/h) | | - |
| | c. <u>Fuel</u> (Liters) | | - |
| | (1) Total fuel capacity on Tank | Details to be mentioned | |
| | (2) Fuel capacity of external/ drop out tanks | Details to be mentioned * | |
| | (3) Fuel Consumption per km Run (Liters) | | |
| | (a) On high way | Details to be mentioned | |
| | (b) On cross country | Details to be mentioned | |
| | | | |
| | | 500 + 50 km | |
| | | 400 + 50 km | |
| | Oil O | | |
| | (Liters) | | |
| | (1) On high way | Details to be mentioned | |

| | Description | Proposed Prelim Spec of ARV for LT Tk | To be filled up by Manufacturer | |
|--------|--|--|---------------------------------------|--|
| | (2) On country road | Details to be mentioned | | |
| - | Fuel (Liters) | | | |
| - | (1) Total fuel capacity on ARV | Details to be mentioned | | |
| | (2) External/ drop out fuel | tank Details to be mentioned | | |
| | capacity (if available) | | | |
| | (3) Fuel Consumption per 10 | 0 km | | |
| | Run (Liters/ Hour) | | | |
| | (a) On high way | Details to be mentioned | | |
| | (b) On Country Road | Details to be mentioned | | |
| | Oil Consumption per 100 km Run | | | |
| | (Hour) | | | |
| Litera | (1) On high way | Details to be mentioned | | |
| | (2) On country road | Details to be mentioned | | |
| | Obstacle Negotiation | | | |
| | | nding ≥ 32° | | |
| | Ability (Degree) | | | |
| | (2) Maximum Side slope ARN | / can ≥ 22° | | |
| | drive (Degree) | | | |
| | (3) Width of Trench ARV will C | ross ≥ 2200 mm | | |
| | (mm) | | | |
| | (4) Vertical Obstacle ARV will | Climb ≥ 800 mm | | |
| | (Escarpment) (mm) | | | |
| | (5) Vertical Obstacle ARV will D | Decent ≥ 800 mm | | |
| | (Counter- Escarpment) | | | |
| | (6) Fording depth without | ≥ 1.2 Meters | | |
| | preparation (mm) | | | |
| | Deep Fording (Submerging)- Opt | ional | | |
|) | (1) Minimum preparation time | Details to be mentioned | | |
| | required (minutes) | Details to seattle the seattle to th | | |
| | | an Minimum 5 meters | | |
| | (2) Maximum depth the ARV of submerge | | | |
| | (3) Maximum distance the ARV | san Details to be mentioned | | |
| | cross while on deep fording | Details to be internal | | |
| A | | | | |
| - | our Protection | Group A,B and C | | |
| a | Country of Origin | Group A, B and C | | |
| ь | Country of Manufacture | Group A,B and C | | |
| | | Group A.B. and C | | |
| C | Country of Assembly | Gloup A, b and C | | |
| d | Side Skirt | Details to be mentioned | | |
| e | Type of Armour used on ARV | Type, Composition and Details to be mentioned | | |
| - | Armour Thickness and type of ar | | | |
| ann h | protected/ protection level | 11111W | | |
| Cdil L | | | | |
| | (1) Hull (a) Nose Armour (mm |) Thickness (mm) and type of ammo which can | | |
| | | be protected/protection level to be mentioned | | |
| | (b) Stern Armour (mm | be protected/protection level to be mentioned | | |
| | (c) Side Armour (mm) | be protected/protection level to be mentioned | | |
| | (d) Hull Top and Botton Armour (mm) | Thickness (mm) and type of ammo which can be protected/protection level to be mentioned | | |
| 87 | (2) Side Skirt | | | |
| | (a) Thickness of Side (mim) | Skirt Type Composition and Details to be mentioned | | |
| | (3) Armour Thickness of Repa | | | |

| | | Description . | Proposed Prelim Spec of ARV for LT Tk | To be filled up by Manus Lure |
|------|-----------------|--|--|-------------------------------------|
| Main | Armame | ent | | |
| a. | 12.7 m | nm AAMG (Warsaw Version) | | |
| | (1) | Caliber | 12.7 mm | |
| | (2) | Type and Model | Details to be mentioned | |
| | (3) | Country of Origin | Group A.B and C | |
| | (4) | Name of Manufacturer | Group A,B and C | |
| | (5) | Weapon Operating System | Details to be mentioned | |
| | (6) | Loading System | Details to be mentioned | |
| | (7) | Combat Rate of Fire (Rounds/ | Minimum 60 rounds/minute | |
| | Minute | | | |
| | (8) | Maximum Rate of Fire (Rounds/ | 500 + 100 rounds/minute | |
| | Minute | | | |
| - | (9) | Effective range against Air | ≥ 1500 m | |
| | Targe | | | |
| | (10) | Effective range against Ground | ≥ 1500 m | |
| | Targe | | | |
| - | (11) | Maximum Muzzle Velocity (m/ sec²) | Details to be mentioned | |
| | (12) | Chamber Pressure | To be mentioned | |
| | | Maximum Elevation (Degree) | Details to be mentioned | |
| | (13) | Maximum Depression (Degree) | Details to be mentioned | |
| - | (14) | Maximum Traverse (Degree) | Details to be mentioned | |
| - | (15) | Barrel Life (Rounds can be fired | Details to be mentioned | |
| | (16) | | Dotain to 99 in 5 in 5 | |
| _ | | gh each barrel) Weapon Firing System | Details to be mentioned | |
| | (17) | Number of spare barrel available | Minimum 01 spare barrel is required for | |
| | (18) | | each weapon | |
| | | ach weapon | | |
| | (19) | Country of Assembly (if Different | To be mentioned | |
| | (20) | Name, Address, Contract Number. | | |
| | (ZU) | ite/e-Mail Address of the Manufacturer | Details to be mentioned | |
| - | (21) | Name, Address, Contract Number, | Details to be mentioned | |
| | Webs | ite/e-mail Address of the Principal | Details to be tremined | |
| | (22) | Name, Address, Contract Number. | Details to be mentioned | |
| | Webs | ite/e-mail Address of the Local Agent | | |
| | (23) | Year of Manufacture | Not Before the contracted Year | |
| | (24) | Ammunition feed System | Details to be mentioned | |
| | (25) | Maximum Allwable Chamber | To be mentioned | |
| | Press | | * 1 | |
| | (8) | Number of Crew | To be mentioned | |
| | (26) | Sustained Rate of Fire (Rounds per | | |
| | Minut | | TO DE MIGNIONES | |
| - | | ational situation) | Number of lands and groves to be mentioned | |
| | (27) | Rifing Overall Length in Ground Role | To be mentioned | |
| - | (28) | Overall Length in Anti - Aircraft Role | To be mentioned | |
| | (29) | Overall width in Ground Role | To be mentioned | |
| | (30) | Overall width in Anti -Aircraft Role | To be mentioned | |
| | (31) | STATE OF THE PROPERTY OF THE P | To be mentioned | |
| | (32) | Weight of Gun Body | To be mentioned | |
| | (33) | Weight of Gun Mount | To be mentioned | |
| | (34) | Total Weight (Complete) | To be mentioned | |
| | (35) | Weight of Empty Magazine/Box | TO DE MEMIONEO | |
| | (36) | Weight of Magazine/Box with | To be mentioned | |
| 7 | | dard Ammunition | To be mentioned | |
| | (37) | Length of Barrel (mm) | Details to be mentioned | |
| b. | Add licable) | itional Armaments on ARV (if | Delais to be memorial | |
| ahh | | munition | | |

| | Description | Proposed Prelim Spec of ARV for LT Tk | To be filled up by Manufacturer | |
|--------|---|---|---------------------------------------|--|
| | 12.7 mm AAMG | | | |
| 5 | (a) Dimension of the ammunition | 12 7 x 107 mm / 12 7 x 108 mm | | |
| | (b) Total ammunitions per | Details to be mentioned | | |
| | magazine/ box | | | |
| | (c) Fotal ammunitions | Details to be mentioned | | |
| | stowed on ARV with number of | | | |
| | poxes | | | |
| | (d) Ammunition Feed | Details to be mentioned | | |
| | System | | | |
| | (e) Name of ammunition (API | To be mentioned | | |
| | ur API/T) | | | |
| | (t) Type of ammonition to be | To be mentioned | | |
| | (g) Length of the cartridge case | To be mentioned | | |
| | (h) Material of the cartridge case | To be mentioned | | |
| | (j) Maximum range | To be mentioned | | |
| | (k) Effective range | To be mentioned | - | |
| | (L) Penitration Capability | | + | |
| | (i) Type and grade of armour | To be mentioned | | |
| | plate | | | |
| | (ii) Thickness of Armour plate | To be mentioned To be mentioned | | |
| | (iii) Angle of armour impact | To be memoned | | |
| | (m) Chamber pressure of the | To be mentioned | | |
| | ammunition (n) Velocity of the ammunition | To be mentioned | | |
| | (p) Magazine/Box capacity | To be mentioned | | |
| | (q) Number of magazine and link belt | To be mentioned | | |
| | | To be mentioned | | |
| | (r) Loading system | | | |
| | (2) Other Types of Ammunition (if | Details to be mentioned | | |
| | applicable) | | | |
| Repair | r & Recovery Capabilities | | | |
| d | Towing Capabilities in Land | | | |
| | (1) Maximum Towing Capability | Minimum 35 Ton | | |
| | (2) Maximum towing Speed | Details to be mentioned | | |
| | (3) Maximum towing Range | Details to be mentioned Details to be mentioned | | |
| | (4) Maximum towing Load | Details to be memoried | | |
| | an in the Commentation | | | |
| b | Main Winch Capability | | | |
| b | (1) Max Pulling/ traction Force | | | |
| b | (1) Max Pulling/ traction Force (Ton) | Minimum 35 Ton | | |
| b | (1) Max Pulling/ traction Force (Ton) (a) Single rope without | Minimum 35 Ton | | |
| b | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) | | | |
| b | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) (b) With Pulley Block (Ton) | | | |
| b | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) (b) With Pulley Block (Ton) (c) Number of Pullies | > 70 Ton | | |
| b | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) (b) With Pulley Block (Ton) (c) Number of Pullies (d) Maximum available | > 70 Ton Min 2 To be mentioned | | |
| b | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) (b) With Pulley Block (Ton) (c) Number of Pullies (d) Maximum available length of Drag Rope on Winch (m | > 70 Ton Min 2 To be mentioned | | |
| b. | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) (b) With Pulley Block (Ton) (c) Number of Pullies (d) Maximum available length of Drag Rope on Winch (m | > 70 Ton Min 2 To be mentioned To be mentioned | | |
| b. | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) (b) With Pulley Block (Ton) (c) Number of Pullies (d) Maximum available length of Drag Rope on Winch (n) (e) Maximum operational/ usable length of Drag Rope (m) | > 70 Ton Min 2 To be mentioned To be inentioned Minimum 30 mm | | |
| b. | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) (b) With Pulley Block (Ton) (c) Number of Pullies (d) Maximum available length of Drag Rope on Winch (n (e) Maximum operational/ usable length of Drag Rope (m) (f) Dia of steel rope (mm) (g) Rope winding and | > 70 Ton Min 2 To be mentioned To be inentioned Minimum 30 mm Details to be mentioned | | |
| b. | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) (b) With Pulley Block (Ton) (c) Number of Pullies (d) Maximum available length of Drag Rope on Winch (m (e) Maximum operational/ usable length of Drag Rope (m) (f) Dia of steel rope (mm) (g) Rope winding and unwinding speed at max traction | > 70 Ton Min 2 To be mentioned To be inentioned Minimum 30 mm Details to be mentioned | | |
| b | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) (b) With Pulley Block (Ton) (c) Number of Pullies (d) Maximum available length of Drag Rope on Winch (m (e) Maximum operational/ usable length of Drag Rope (m) (f) Dia of steel-rope (mm) (g) Rope winding and unwinding speed at max tractic Force (m/min) | > 70 Ton Min 2 To be mentioned To be inentioned Minimum 30 mm Details to be mentioned | | |
| b | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) (b) With Pulley Block (Ton) (c) Number of Pullies (d) Maximum available length of Drag Rope on Winch (m (e) Maximum operational/ usable length of Drag Rope (m) (f) Dia of steel rope (mm) (g) Rope winding and unwinding speed at max tractic Force (m/min) (h) Drive (Hydrostatic/ | > 70 Ton Min 2 To be mentioned To be inentioned Minimum 30 mm Details to be mentioned | | |
| b | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) (b) With Pulley Block (Ton) (c) Number of Pullies (d) Maximum available length of Drag Rope on Winch (n) (e) Maximum operational/ usable length of Drag Rope (m) (f) Dia of steel rope (mm) (g) Rope winding and unwinding speed at max tractic Force (m/min) (n) Drive (Hydrostatic/ Mechanical) | > 70 Ton Min 2 To be mentioned To be mentioned Minimum 30 mm Details to be mentioned Details to be mentioned | | |
| b | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) (b) With Pulley Block (Ton) (c) Number of Pullies (d) Maximum available length of Drag Rope on Winch (n (e) Maximum operational/ usable length of Drag Rope (m) (f) Dia of steel rope (mm) (g) Rope winding and unwinding speed at max tractic Force (in/min) (h) Drive (Hydrostatic/ Mechanical) (j) Maximum Support | > 70 Ton Min 2 To be mentioned To be inentioned Minimum 30 mm Details to be mentioned | | |
| b | (1) Max Pulling/ traction Force (Ton) (a) Single rope without Pulley Block (Ton) (b) With Pulley Block (Ton) (c) Number of Pullies (d) Maximum available length of Drag Rope on Winch (n (e) Maximum operational/ usable length of Drag Rope (m) (f) Dia of steel rope (mm) (g) Rope winding and unwinding speed at max tractic Force (m/min) (h) Drive (Hydrostatic/ Mechanical) | > 70 Ton Min 2 To be mentioned To be mentioned Minimum 30 mm Details to be mentioned Details to be mentioned | | |

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| | Description | Proposed Prelim Spec of ARV for LT Tk | To be filled by Manuscture |
|---|--|---------------------------------------|----------------------------|
| + | during winch op with max | | |
| | number of pulley | | |
| 1 | (I) Country of origin and | Group A,B and C | |
| 1 | assembly of main winch | | |
| | c Auxiliary Winch Capability | | |
| | (1) Maximum Pulling/ Tract | ion Minimum 3 ton | |
| | Force of Auxiliary Winch (Ton) | | |
| Ì | (2) Maximum available length | of Details to be mentioned | |
| | Drag Rope on Auxiliary Winch (m) | | |
| | (3) Maximum operational/ usa | ble Details to be mentioned | |
| | length of Drag Rope (m) | | |
| | (4) Drive (Mechanical/ Hydrostatic | Details to be mentioned | |
| | (5) Country of origin and assembly of | Group A.B and C | |
| | Auxiliary winch | | |
| | (6) Dia of steel rope (mm) | To be mentioned | |
| | d Earth Dozing Capability | | |
| | (1) Width of ARV Dozer Blade (m | | |
| | (2) Maximum Bite/ sink of Dozer | Minimum 80 mm | |
| | Blade (mm) | | |
| | (3) ARV Dozer Blade operation | Details to be mentioned | |
| | (Mechanical/Hydraulic) | 100 1/1- | |
| | (4) Earth Dozing/ Moving capability | ity Minimum 100 m³/h | |
| | (m³/ Hr) | | |
| | e <u>Anchor/Spade</u> | 201 | |
| | (1) Force | 80 ton | |
| | (2) Deployment Mechanism | Hydraulic | |
| | f. <u>Lifting Crane</u> | | |
| | (1) Type of Crane used on | Details to be mentioned | |
| | ARV(Mechanical/ Hydraulic) | | |
| | (2) Operational Hoisting/ Lifting | Details to be mentioned | |
| | method of Boom (Mechanical/ | | |
| | Hydraulic) | | |
| | (3) Maximum Lifting Load Capac | ity Minimum 10 Ton | |
| | (kg) | | |
| | (4) Traverse Radius (at max liftin | ng Details to be mentioned | |
| | load) (m) | | |
| | (5) Boom Traversing Angle | Details to be mentioned | |
| | (Degree) | D. L. L. L. Assestanced | |
| | (6) Make and Model | Details to be mentioned | |
| | (7) Boom Length(m) | D. L. Is to be montioped | |
| | (a) Maximum Length (m | | The same of |
| | (b) Minimum Length (m) | | |
| | (8) Crane Traversing speed (r/m | | |
| | (9) Maximum crane hook lowering | Details to be mentioned | |
| | and hoisting speed (m/min) | with Details to be mentioned • | |
| | (10) Maximum Lifting Height (m) | >VT5 height (>2525mm) | |
| | maximum load | Group A,B and C | |
| | (11) Country of Origin | Group A,B and C | |
| | (12) Country of Manufacture | Group A,B and C | |
| | (13) Country of Assembly | Gloup Alb and o | |
| | g Load Platform Capability | area/ Details to be mentioned | |
| | | area/ Details to be mentioned | |
| | Piggyback space available on ARV (2) Maximum additional | load Details to be mentioned | |
| | | Gad Deland to So monteness | |
| | carrying capacity on ARV (kg) | | |
| | h. Welding & Cutting Operation | Details to be mentioned | |

| 1 | Description | Proposed Prelim Spec of ARV for LT Tk | To be filled up by Manufacturer |
|-----|--|--|---------------------------------------|
| | (2) Electrical Welding and Cutting | Details to be mentioned | |
| | Operational Power (Voit) | | |
| | (3) Electrical Welding and Cutting | Details to be mentioned | |
| | Operational Current (A) | | |
| | (4) GAS Welding and Cutting | Details to be mentioned | |
| | capability (Optional) | | |
| | (5) Max Welding & Cutting | Details to be mentioned | |
| | operational radius from ARV (m) | The late to be most out of | |
| | (6) Maximum Electrode Diameter (mm) | Details to be mentioned Details to be mentioned | |
| | (7) Welding & cutting capability | Details to be mentioned | |
| | using APU of ARV | Details to be mentioned | |
| | (8) Detail data regarding sources and duration of the power supply for | Details to be mentioned | |
| | such operations (for both electrical & gas | | |
| | welding/ Cutting operations) or possible | | |
| | by APU welding | | |
| 29. | Repair Tools & Accessories | Details to be mentioned | |
| 30. | Electric Impact Wrench (Optional) | Details to be mentioned | |
| 31 | Protection System | | |
| ~ 1 | a Smoke Grenade/ Shrapnel Launcher | | |
| | (1) Number of Launcher with total | Details to be mentioned | |
| | Smoke Grenades/ Shrapnel available on | | |
| | ARV | | |
| | (2) Base fining | To be mentioned | |
| | (3) Warsaw Type (Base fining) | To be mentioned | |
| | (4) Type of smoke grenade/ Shrapner | Details to be mentioned | |
| | shell used | | |
| | (5) Caliber of Smoke Grenade/ | Details to be mentioned | 10 |
| | Shrapnei Sheil (rhm) | | - |
| | (6) Maximum effective range of | Details to be mentioned | STATE OF THE PARTY OF |
| | smoke grenade/ Shrapnel (m) | Details to be mentioned | + |
| | (7) Effective area of the grenade | Details to be mentioned | - |
| | (8) Firing system of smoke grenade/ | Details to be memoried | |
| | Shrapnel launcher (9) Location of smoke | To be mentioned | |
| | (9) Location of smoke grenade/shrapnel launcher | To be meritarion | |
| | b Thermal Smoke Screen Generation | | |
| | (Through Exhaust Manifold) | | |
| | (1) Rate of diesel discharged on | Details to be mentioned | |
| | exhaust/ minute (L/min) | | |
| | c Auto Fire Extinguishing & | | |
| | Suppression System | | |
| | Number of fire extinguisher | Details to be mentioned | |
| | potties with location | | |
| | (2) Mode of fire extinguishing | Details to be mentioned | |
| | Operation (Automatic with manual | | |
| | options) | | |
| | (3) Number of sensors available on | Details to be mentioned * | |
| | ARV | David to be markened | |
| | (4) Minimum time require to initiate | Details to be mentioned | |
| | fire suppression operation | Details to be mentioned | |
| | a NBC Protection & Decontamination | Details to be mentioned | |
| | System | | |
| 32 | Observation Device a. Day Observation Devices (For ARV | | |
| | A CONTRACTOR OF THE PROPERTY O | | |
| | Commander) | Minimum 3 rd Gen or better | |
| | (1) Generation | William 3 Gell of Dettel | |

| | Description | Proposed Prelim Spec of ARV for LT Tk | To be filled up by Manufacturer |
|----|---|--|---------------------------------------|
| - | (3) Country of Origin | Group A.B and C | |
| | (3) Country of Origin (4) Country of Manufacture and Assembly | G Group A.B and C | |
| - | (5) Year of Manufacture | Not earlier than the contracted year | |
| | (6) Name and address of the Manufacture | Details to be mentioned | |
| | (7) Type and Model | To be mentioned | |
| | (8) Field of view (Degree at narrow | Details to be mentioned | |
| - | and wide angle) (9) Magnification | Details to be mentioned | |
| | (10) Minimum Visibility Range | Details to be mentioned | |
| | (11) Maximum Visibility Range | Details to be mentioned | |
| - | (12) Power Source (If available) | Details to be mentioned | - |
| | (13) Color | To be mentioned | The second second second |
| b. | Day Observation Devices (For ARV | | |
| | (1) Type and Model | To be mentioned | |
| | | Minimum 3 rd Gen or better | |
| - | (2) Generation (3) Quantity | To be mentioned | |
| - | (4) Country of Origin | Group A.B and C | |
| + | (5) Country of Manufacture and | G Group A.B and C | |
| | Assembly | | |
| | (6) Year of Manufacture | Not earlier than the contracted year | |
| | (7) Field of view (Degree at narrow and wide angle) | Details to be mentioned | |
| | (8) Name and address of the Manufacture | Details to be mentioned | |
| | (9) Magnification | Details to be mentioned | |
| T | (10) Minimum Visibility Range | Details to be mentioned | |
| T | (11) Maximum Visibility Range | Details to be mentioned | |
| | (12) Power Source (If available) | Details to be mentioned | |
| | (13) Color | To be mentioned | |
| 0 | Night Viewing Devices (For ARV Commander) | | |
| -3 | | To be mentioned | |
| | | Minimum 3 rd Gen or better | |
| | (2) Generation | To be mentioned | |
| | (3) Quantity (4) Country of Origin | Group A,B and C | |
| | | Group A.B and C | |
| | (5) Country of Manufacture and Assembly | | |
| | (6) Year of Manufacture | Not earlier than the contracted year | |
| - | (7) Field of view (Degree at narrow | | |
| | and wide angle) | | |
| | (8) Magnification | Details to be mentioned | |
| 7 | (9) Minimum and Maximum Viewin Range at Dark Night (m) | g Following parameters about static a moving target. a. Type of target and size to mentioned. b. Detection range to be mention | be |

| | Description | | Proposed Prelim Spec of ARV for LT Tk | To be filled up by |
|---------|--|--------------------|---|--------------------|
| | | | | Manufacturer |
| 77 | | | c Identification range to be mentioned | |
| 100 | | | Following parameters about static and | |
| | | | moving target. | |
| | (10) Minimum and Mai | amum Viewing | a Type of target and size to be mentioned | |
| | Range at Moonlight (m) | | b Detection range to be mentioned | |
| | | | c Identification range to be mentioned | |
| | | | Following parameters about static and | |
| | | | moving target | |
| | (11) Minimum and Ma | vimum Viewing | a. Type of target and size to be | |
| | Range at star light (m) | antiani sia sia | mentioned | |
| | Nange at star light (11) | | b. Detection range to be mentioned. | |
| | | | c. Identification range to be mentioned. | |
| | (12) Power Source | | Details to be mentioned | |
| | (13) Additional Passi | e night viewing | Details to be mentioned | |
| | | te mgnt viewing | | |
| | devices (if available) (14) In excessive | had weather | | |
| | (14) In excessive | e etc) operator | To be available | |
| | condition (rain, fog, haz | e, etc) operator | | |
| | can still see the object | stores per NATO | | |
| | (15) The sys is eye s | are as per IVATO | To be available | |
| | or equivalent standard | on (For ADV | | |
| d | Night Viewing Device | es Iroi Minv | | |
| Driver) | | | | |
| | (1) Type and mode | | To be mentioned | |
| | | | Minimum 3 rd Gen or better | |
| | (2) Generation | | To be mentioned | |
| | (3) Quantity | | Group A B and C | |
| | (4) Country of Origin | | Group A,B and C | |
| | (5) Country of Manu | racture and | Gloup A.D and C | |
| | Assembly | | Not earlier than the contracted year | |
| | (6) Year of Manufac | | Details to be mentioned | |
| | (7) Field of view (De | egree at narrow | Details to be mentioned | |
| | and wide angle) | | Details to be mentioned | |
| | (8) Magnification | | | |
| | (9) Minimum and M | aximum Viewing | Following parameters about static and moving | |
| | Range at Dark Night (m | | target | |
| | | | a. Type of target and size to be mentioned. b. Detection range to be mentioned. | |
| | | | c. Identification range to be mentioned. | |
| | | | | |
| | (10) Minimum and M | axımum Viewing | Following parameters about static and moving | |
| | Range at Moonlit and C | lear Night (m) | a Type of target and size to be mentioned | |
| | | | b Detection range to be mentioned. | |
| | | | c Identification range to be mentioned | |
| | | | Following parameters about static and moving | |
| | The first of the f | roun Viguena | target | |
| | (11) Minimum and Max | intain viewing | a Type of target and size to be mentioned. | |
| | Range at star light (m) | | b Detection range to be mentioned | |
| | | | c Identification range to be mentioned. | |
| | (12) Power Source | | Details to be mentioned | |
| | | sive night viewing | Details to be mentioned | |
| | devices | | | |
| | (if available) | | | |
| | (14) In excessive | bad weathe | r | |
| | condition (rain, fog. ha | | | |
| | can still see the object | ,, | | |
| | | | | |
| | (15) The eve is eve | safe as per NATO |) T | |
| | (15) The sys is eye or equivalent standard | safe as per NATO | To be available | |

| Ser | | | Description | Proposed Prelim Spec of ARV for LT Tk | To be filled by Man, farturer |
|-----|-------|-------------------|--|--|-------------------------------------|
| | Eqpt) | | | | |
| | | (1) | Operating Temperature Range | -20° to +55° C | |
| | | (2) | Storage Temperature Range | -20 to +55° C | |
| | | (3) | Humidity Permissible Condition | 95% | |
| | | for (4) | Operation Operation during fog. rain, and | To be possible | |
| 33. | Comn | snow nunicatio | on System | All ARVs are to have VHF Radio sets Any standard VHF Basa & Veh) version may be | |
| | | | | proposed which is compatible to Radio set CB6 pro VHF If it is not Std model or not used in BD Army then Minimum 3 Radio sets will undergo test and trial at Bangladesh for testing its minimum & maximum communication range at Bangladesh test condition before minimum 6 months prior to delivery of ARV in Bangladesh | |
| | а | VHFF | Radio Set | la la constat C based | Personal Property of |
| | b. | | ral Description | (Must be a robust original IC based modular digital ARV VHF Radio set which is compatible to Radio set CB6 pro VHF) Details to be mentioned | |
| | | (1) | Type | Details to be mentioned | |
| | | (2) | Brand and Model | Group A,B and C | |
| | | (3) | Country of Origin and | GIODD A.D BING O | |
| | | | facture | Details to be mentioned | |
| | | (4) comp | Name of Manufacturer with lete address (Addresses. | Ligitalis to the manner of the control of the contr | |
| | | Telep | hone, Fax, Email & Website) | | |
| | | (5) | Year of Manufacture | Not earlier than the contracted year | |
| | | (6) | Frequency Range | Within 30 ~ 88 Mhz | |
| | | | | Above 88 MHz is also allowed | |
| | | (7) | Total numbers of Channels \ | Details to be mentioned | |
| | | availa | able | T I was a tible with Radio set CR6 pro | 1 |
| | | (8) | Channel Spacing | To be compatible with Radio set CB6 pro VHF. | |
| | | | | Details to be mentioned | |
| | - | (9) | No of Pre-set memory channel | Details to be mentioned | |
| | - | (10) | Operating Power Input | Details to be mentioned | |
| | - | (11) | Power Output (Watt) | Details to be mentioned | |
| | | (12) | Receiver sensitivity | Details to be mentioned | |
| | - | (13) | Power Consumption (Watt) | | |
| | | (10) | (a) At Transmission Mode | Details to be mentioned | |
| | - | | (b) At Reception Mode | Details to be mentioned | |
| 1 | - | (14) | RF Shielding and Filter | Details to be mentioned | |
| | | (15) | Communication Access | For ARV Commander Driver & Operator | |
| | | (16) | Maximum Communication | | |
| | | | ge (Km) | | |
| | | ivaii | (a) Static to Static position | ≥ 15 km | |
| | | | (b) On Move | > 10 km | |
| | | (17) | A COLUMN TO THE REAL PROPERTY OF THE PERTY O | Must have robust shock absorbin mounting | g |
| | | (18) | Radio Antenna (Flexible | | |
| | 1 | Orio | inal Tank VHF Radio Antenna) | | |
| | | Ong | (a) Rod Antenna (m) | Details to be mentioned | |
| | | | (b) Emergency Auxiliary | Details to be mentioned | |
| | | | Antenna (if applicable) | | |

| | | Description | Proposed Prelim Spec of ARV for LT Tk | To be fille up by Manufactu |
|---------------|--|----------------------------------|--|-----------------------------------|
| 7/2 | | Antenna | | |
| 100 | (19) N | Ail Standard | Std 810 E/F/G or above | |
| | (20) | SMS and Data Facility | Minimum 16 kbps Data and SMS facility to be,available | |
| | (21) | BITE | Should be available | |
| | (22) | Security features available in | <u>n</u> | |
| | the se | | | |
| | | (a) Standard Encryption | Details to be mentioned | |
| | | (b) Frequency Hopping | Details to be mentioned | |
| | | (c) Other Types of Securi | ty Any other types of communication Security | |
| | | (Optional) | (if available) are to be mentioned | |
| | (23) | Required Software | To be available | |
| | (24) | Environmental Standard | A STATE CONTROL PAR E/E/C | |
| | | (a) Shock and Vibration Proof | As per Military Standard 810 E/F/G | |
| | | (b) Dust Proof | As per Military Standard 810 E/F/G | |
| | | (c) Operating temperature | e (-) 10° to +55° C | |
| | | (d) Storage temperature | (-) 20 to +60° C | |
| | (25) | Weight with operation condition | | |
| | (26) | IP Facility (Optional Feature) | Details to be mentioned | |
| | | | if and them 10/24\/ volumber | |
| | (27) | Power Supply System | a To be operated from 12/24V vehicle | |
| | | | b. DC rechargeable and replaceable | |
| | | | battery may be proposed. Detail of brand, | |
| | | | model country of manufacture and battery | |
| | | | rating are to be mentioned | |
| | | | c. The battery should have charging | |
| | | | facility from vehicle systems (preferable) | |
| | | | d. For BD Army Standardized Radio Sets, | |
| | | | the manufacturer will ensure smooth | |
| | | | integration of the complete Radio set to the ARV system. | |
| - | (28) | List of standard accessories | Details to be mentioned | |
| | | List of optional accessories (if | | |
| | requir | | | |
| c. | Interd | | Must be a robust original IC based digital tank Intercom Set | |
| | (1) | Туре | Details to be mentioned (Digital is preferable) | |
| | (10) | 110 | | |
| | (2) | Brand and Model | Details to be mentioned | |
| | 13. | Country of Origin and | Details to be mentioned | |
| | Mass | facture | | |
| | 4, | Year of Manufacture | Not earlier than the contracted year | |
| | 5 | Provisions | All Crews | |
| | (6) | Communication Connectivity | All Crews simultaneously with min ARV Commander & Gunner's access to all | |
| | nial East | amont (Any angoint agrinman | Radio sets t Details to be mentioned | |
| | | pment (Any special equipmen | Details to be memoried | |
| PRINCIPLATION | hat has not been mentioned above) Miscellaneous | | | |
| a | A PERSONAL PROPERTY AND ADDRESS OF THE PARTY A | Onboard Fitted Items | Details list of all onboard default fitted | |
| | took took | | items to be mentioned | |
| b. | b, Painting | | Options of available different types of | |
| | | | camouflaged painting diagram/ pictures to be provided | |
| C | Rem | ote Control system | for 01 x remote control sys with quick release | |
| | | ry operation (Optional) | cable per ARV. Details to be mentioned. | |

| Ser | Description | Proposed Prelim Spec of ARV for LT Tk | To be fille up by Manufacturer |
|-----|---|--|--------------------------------------|
| | d. 12.7 mm AAMG Calibrating/ Bore | | |
| | Sighting Telescope | | |
| | (1) Quantity | 01 Telescope for each ARV | |
| | (2) Model | To be mentioned | |
| | (3) Brand | To be mentioned | |
| | (4) Country of Origin and Manufacture | Details to be mentioned | |
| | (5) Year of Manufacture | Not earlier than the contracted year | |
| | (6) Provisions | All Crews | |
| | (7) Manual | To be provided | Landing and the |
| | (8) List of all accessories | To be provided | |
| | AAAAC Ammunition Bolt | 01 Belt Feeder for each ARV Details list to | |
| | Mechanical Loader/ Feeder | be mentioned | |
| | | 01 Pump per ARV | |
| | El dia Dadable Drill Machino | 01 per ARV | |
| | | 01 per ARV | |
| | J. Any software, if used for any system in | Details to be mentioned | |
| | the ARV k. Any Navigation System (If available) | Details to be mentioned | |
| | | Model, Brand, Country of Origin and manufacture to be mentioned | |
| | | Manual and list of all accessories to be provided | |
| 36 | Special Items/ Equipment (Provisions of all special items/equipment those can be fitted on | Details to be mentioned | |
| 37 | ARV to be mentioned) All equipment's, components, radio sets and | Manufacturer will provide guarantee | |
| | weapon system, all sights etc of ARV will be Brand New and will be manufactured not before | certificate on that | |
| | the year of contract | Manufacturer will provide guarantee | |
| 38. | All components should be able to withstand minimum 95% humidity or above typical to | - William Grand | |
| | Bangladesh weather | To be confirmed by the Manufacturer | |
| 39 | All components i.e. panel boards, gauges, instruments etc marking and display reading should be in English Language | To be confirmed by the Manufacturer | |
| PΔR | T-3: TRAINING REQUIREMENT | | |
| 40 | Training | | |
| 40: | a <u>Training Abroad</u> (ARV Manufacturing Plant Abroad before delivery of ARV) | | |
| | (1) Users' Training (Armour Corps) | Consolidated detailed training requirements will be provided separately during the tender bid | |
| | (2) Repair and Maintenance | the state of the s | 3 |
| | (2) Repair and Maintenance Experts' Training (EME Corps) | requirements will be provided separately during the tender bid | |
| | b. <u>Training in Bangladesh</u> (At Respective Training Institution/ Workshop | | |
| | after delivery of the 1st Batch of ARVs to BD) (1) Users' Training (Armour Goros) | Consolidated detailed training requirements will be provided separated during the tender bid | |
| | (2) Repair and Maintenance Experts' Training (EME Corps) | | |
| | (3) Training on SST Special | | g |

| Jar 1 | Description | Proposed Prelim Spec of ARV for LT Tk | To be filled up by Manufacturer |
|-------|--|---|---------------------------------------|
| | Testing equipment, performing testing equipment, fault finding & rectification gadgets (EME Corps) | requirements will be provided separately during the tender bid | |
| | (4) Inventory Con and Management Experts' Training (Ordnance Corps) | Consolidated detailed training requirements will be provided separately during the tender bid | |
| | c Training for FCI and Communication Sys (ITD Dte) | Consolidated detailed training requirements will be provided separately during the tender bid | |
| PART | 4: REPAIR AND MAINTENANCE REQUIREMEN | T LESS LIST OF SPARES | |
| 41 | ARV Accessories, Spares and Tools | | |
| | a ARV Tools Box (Fitted on ARV) | ARV integral all essential tools to be fitted (Detailed list of items to be mentioned by the Supplier) | |
| | b ARV Spares Tools and Accessories | 01 x complete set per ARV to be provided by the supplier (Detail list of items to be mentioned by the Supplier) | |
| 42 | Manuals/ Publications (All manuals/ | | |
| | publications to be written in English Language) | | |
| | a Operational Manuals for all systems | 01 x set per ARV + as per the demand of Armour and EME Directorates of AHQ | |
| | b Maintenance and Repair Manuals for all systems | As per the demand of Armour and EME Directorates of AHQ | |
| | c 100% Master Spare Parts Catalogue (Parts Catalogue) | As per demand of EME Directorates of AHQ | |
| PART | - 5: LIST OF SPARES | | |
| 43 | Provision of 10% Fast Moving Spare Parts and 5% Slow Moving Spare Parts | As per the demand of EME Directorates of AHO | |
| PART | - 6: TOOLS LIST FOR DIFFERENT LEVEL OF MA | INTENANCE | and the second |
| 44 | Special Parts, Tools and Accessories (SPTA) | | |
| | a Special Service Tools (SST) | Details list to be provided by supplier | |
| | b Special Service Materials (SSM) | Details list to be provided by supplier | |
| PART- | 7: FINANCIAL SPECIFICATIONS | | |
| 45 | Financial SpecificationsS | To be provided during tender submission | |
| 46 | After sell Service Support/ Spare Parts | Minimum 20 Years | |
| 47 | Model Validity | Minimum 20 Years | |