

FOR OFFICIAL USE ONLY

Directorate General Defence Purchase  
Ministry of Defence  
New Airport Road  
Tejgaon, Dhaka-1215  
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14 Poush 1432

29 December 2025

06.06.0000.214.eval.25/P-1

**AMENDMENT ON EXPRESSION OF INTEREST (EOI) FOR APC (TAC), APC (AMB), APC (REC) AND APC (COMD POST)**

**References:**

- A. Army Headquarters, General Staff Branch, Overseas Operations Directorate letter number 23.01.901.027.05. 192.01.09.12.25 Dated 09 December 2025 (Not to all).  
B. Directorate General Defence Purchase letter number 06.06.0000.214.eval.25/P-1 dated 21 December 2025.  
C. Army Headquarters, General Staff Branch, Overseas Operations Directorate letter number 23.01.901.027.05. 192.01.24.12.25 Dated 24 December 2025 (Not to all).

1. In view of above references, the subject items has been amended as follows:

a. Annex-A

| For: |  |                         | Read: |   |                         |
|------|--|-------------------------|-------|---|-------------------------|
| Ser  | Description  | Specified Specification | Ser   | Description   | Specified Specification |
| 41.  | List of tools & accessories, the list of the BTR-80 APC individual SPTA set.   | To be Mentioned         | 41.   | List of tools, accessories and SPTA set.  |                         |
| 42.  | List of publications, list of service papers will be supplied with BTR-80 APC  | To be Mentioned         | 42.   | List of publications and service papers.  |                         |
| 43.  | Foreign analogs fuel and lubricant materials and also fluids recommended from use with BTR-80, BREM-K, BTR-80K vehicles  | To be Mentioned         | 43.   | Foreign analogs of fuel and lubricant materials and also fluids recommended for use in vehicles.  |                         |
| 59   | Inter – communication System:<br><br>a. For commander, gunner, driver and radio operations and two extra (minimum 6) and one socket our side of hull at the rear for dismounted crew.<br><br>b. HF, VHF radios and internal communication system should be able to use a single communication head set which toggles between devices (preferable). | To be Mentioned         | 59    | Inter – communication System:<br><br>a. Inter communication between all crews and commander and dismounted commanders.<br><br>b. HF, VHF radios and internal communication system should be able to use a single communication head set which toggles between devices (preferable). |                         |

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b. Annex-B

| For: |  |                         | Read: |   |                         |
|------|--|-------------------------|-------|---|-------------------------|
| Ser  | Description  | Specified Specification | Ser   | Description   | Specified Specification |
| 44.  | List of tools & accessories, the list of the BMM individual SPTA set.  | To be Mentioned         | 44.   | List of tools, accessories and SPTA set.  |                         |
| 45.  | List of publications, list of service papers will be supplied with BMM   | To be Mentioned         | 45.   | List of publications and service papers.  |                         |
| 46.  | Foreign analogs fuel and lubricant materials and also fluids recommended from use with BTR-80, BREMK, BMM  | To be Mentioned         | 46.   | Foreign analogs of fuel and lubricant materials and also fluids recommended for use in vehicles   |                         |
| 47.  | Sets of spare parts for maintenance and repair of BTR-80, BREM-K, BMM vehicles   | To be Mentioned         | 47.   | Sets of spare parts for maintenance and repair.   |                         |
| 59.  | Inter – communication System:<br><br>a. For commander, gunner, driver and radio operations and two extra (minimum 6) and one socket our side of hull at the rear for dismounted crew.<br><br>b. HF, VHF radios and internal communication system should be able to use a single communication head set which toggles between devices (preferable). | To be Mentioned         | 59.   | Inter – communication System:<br><br>a. Inter communication between all crews and commander and dismounted commanders.<br><br>b. HF, VHF radios and internal communication system should be able to use a single communication head set which toggles between devices (preferable). |                         |

c. Annex-C

| For: |  |                         | Read: |   |                         |
|------|--|-------------------------|-------|---|-------------------------|
| Ser  | Description  | Specified Specification | Ser   | Description   | Specified Specification |
| 44.  | List of tools & accessories, the list of the BREM-K individual SPTA set.   | To be Mentioned         | 44.   | List of tools, accessories and SPTA set.  |                         |
| 45.  | List of publications, list of service papers will be supplied with BREM-K  | To be Mentioned         | 45.   | List of publications and service papers.  |                         |
| 46.  | Foreign analogs fuel and lubricant materials and also fluids recommended from use with BTR-80, BREMK, BTR-80K vehicles   | To be Mentioned         | 46.   | Foreign analogs of fuel and lubricant materials and also fluids recommended for use in vehicles.  |                         |
| 59   | Inter – communication System:<br><br>a. For commander, gunner, driver and radio operations and two extra (minimum 6) and one socket our side of hull at the rear for dismounted crew.<br><br>b. HF, VHF radios and internal communication system should be able to use a single communication head set which toggles between devices (preferable). | To be Mentioned         | 59    | Inter – communication System:<br><br>a. Inter communication between all crews and commander and dismounted commanders.<br><br>b. HF, VHF radios and internal communication system should be able to use a single communication head set which toggles between devices (preferable). |                         |

## d. Annex-D

| For: |  |                         | Read: |   |                         |
|------|--|-------------------------|-------|---|-------------------------|
| Ser  | Description  | Specified Specification | Ser   | Description   | Specified Specification |
| 41.  | List of tools & accessories, the list of the BTR-80K APC individual SPTA set.  | To be Mentioned         | 41.   | List of tools, accessories and SPTA set.  |                         |
| 42.  | List of publications, list of service papers will be supplied with BTR-80K APC   | To be Mentioned         | 42.   | List of publications and service papers.  |                         |
| 43.  | Foreign analogs fuel and lubricant materials and also fluids recommended from use with BTR-80, BTR-80K, BREM-K vehicles  | To be Mentioned         | 43.   | Foreign analogs of fuel and lubricant materials and also fluids recommended for use in vehicles.  |                         |
| 59   | Inter – communication System:<br><br>a. For commander, gunner, driver and radio operations and two extra (minimum 6) and one socket our side of hull at the rear for dismounted crew.<br><br>b. HF, VHF radios and internal communication system should be able to use a single communication head set which toggles between devices (preferable). | To be Mentioned         | 59    | Inter – communication System:<br><br>a. Inter communication between all crews and commander and dismounted commanders.<br><br>b. HF, VHF radios and internal communication system should be able to use a single communication head set which toggles between devices (preferable). |                         |

2. All other contents, terms and conditions of the subject items shall remain unchanged.
3. Forwarded for your information and necessary action please.



SHEULY AKTER  
Lieutenant Colonel  
For Director General

Distribution:

External:

Action:

(All Concerned Supplier/Firm)

Information:

Army Headquarters  
General Staff Branch (Coord)

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

Army Headquarters  
General of Staff Branch, Infantry Directorate

Army Headquarters  
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Ordnance Directorate

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

Internal:

IT Section: Publish in web site.

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Ministry of Defence  
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06 Poush 1432

21 December 2025

06.06.0000.214.eval.24/P-1

**EXPRESSION OF INTEREST (EOI) FOR APC (TAC), APC (AMB), APC (REC) AND APC (COMD POST)**

Reference:

A. Army Headquarters, General Staff Branch, Overseas Operations Directorate letter number 23.01.901.027.05. 192.01.09.12.25 Dated 09 December 2025 (Not to all).

1. Please be informed that Bangladesh Army is planning to procure **APC (Tac), APC (Amb), APC (Rec) and APC (Comd Post)**. In this regard, you are requested to forward technical offer **along with Original Brochure/Catalogue, Model Technical Specification 100% updated Original Spare Parts Catalogue (Hard & Soft copy) and other information**. Offered models should be compatible with general technical specification attached herewith and to be submitted directly to Army Headquarters, General Staff Branch, Overseas Operations Directorate, Dhaka Cantonment by **31 January 2026** with an intimation to this office. You are also requested to provide enlistment certificate of DGDP along with technical offer. Lack of any information will disqualify the offer.

2. Forwarded for your information and necessary action please.



SHEULY AKTER  
Lieutenant Colonel  
For Director General

Annex:

- A. General Specification of APC (TAC) - 07 (Seven) Pages only.
- B. General Specification of APC (AMB) - 06 (Six) Pages only.
- C. General Specification of APC (REC) - 07 (Seven) Pages only.
- D. General Specification of APC (COMD POST) - 07 (Seven) Pages only.

Distribution:

External:

Action:

(All Concerned Supplier/Firm)

Information:

Army Headquarters  
General Staff Branch (Coord)

Army Headquarters  
Master General of the Ordnance Branch (Coord)

Army Headquarters  
General Staff Branch  
Weapon Equipment and Statistic Directorate

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General of Staff Branch, Infantry Directorate

Army Headquarters  
Master General of the Ordnance Branch  
Ordnance Directorate

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

Internal:

IT Section: Publish in web site.

**GEN SPEC OF APC (TAC)**

| Ser. No | Description  | Specified spec  |
|---------|--|---|
| 1.      | Name and complete contact address of the manufacturer /Principal | To be mentioned   |
| 2.      | Name of the Eqpt   | To be mentioned   |
| 3.      | Country of origin and Manufacturer                               | To be mentioned   |
| 4.      | Year of Manufacturer   | To be mentioned   |
| 5.      | Make & Model   | To be mentioned   |
| 6.      | <b>Air conditioning System.</b>                                  |   |
|         | a. Model   | To be mentioned   |
|         | b. Cooling   | To be mentioned   |
|         | c. Heating   | To be mentioned   |
|         | d. Capacity  |   |
|         | (i) Cooling.   | To be mentioned   |
|         | (ii) Heating   | To be mentioned   |
| 7.      | Number of Crews  | To be mentioned   |
| 8.      | Configuration  | To be mentioned   |
| 9.      | Combat weight  | To be mentioned   |
| 10.     | Ground clearance   | To be mentioned   |
| 11.     | <b>Protection:</b>   |   |
|         | a. Kinetic Energy (KE)   | To be mentioned in detail with type, calibre, distance, angle azimuth and elevation |
|         | b. Mine explosion/IED  | To be mentioned in detail including explosive mass                                  |
|         | c. Anti armour   | To be mentioned in detail with type, calibre, angle azimuth and elevation           |
| 12.     | Length   | To be mentioned   |
| 13.     | Width  | To be mentioned   |
| 14.     | Height (Inclusive Turret) :                                      | To be mentioned   |
| 15.     | Doors/Hatches : Details to be mentioned.                         | To be mentioned   |
| 16.     | <b>Hull Overhang Angle.</b>                                      |   |
|         | a. Front   | To be mentioned   |
|         | b. Rear  | To be mentioned   |

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| Ser. No | Description                      | Specified spec  |
|---------|----------------------------------|-----------------|
| 17.     | <b>Negotiable Obstacles.</b>     |                 |
|         | a. Gradient                      | To be mentioned |
|         | b. Tilt/Slope                    | To be mentioned |
|         | c. Angle of Approach             | To be mentioned |
|         | d. Angle of departure            | To be mentioned |
|         | e. Height of Wave                | To be mentioned |
|         | f. Trench Crossing               | To be mentioned |
|         | g. Vertical Obstacle Crossing    | To be mentioned |
|         | h. Forging Capability            | To be mentioned |
| 18.     | <b>Wheel Tread.</b>              |                 |
|         | a. Front                         | To be mentioned |
|         | b. Rear                          | To be mentioned |
| 19.     | Wheel base                       | To be mentioned |
| 20.     | Fuel Endurance in High way       | To be mentioned |
| 21.     | Amphibious Capability            | To be mentioned |
| 22.     | Turning Radius                   | To be mentioned |
| 23.     | Winch                            | To be mentioned |
| 24.     | Fuel Tank Capacity               | To be mentioned |
| 25.     | <b>Speed.</b>                    |                 |
|         | a. Road                          | To be mentioned |
|         | b. Cross Country (average)       | To be mentioned |
|         | c. Afloat                        | To be mentioned |
| 26.     | <b>Engine.</b>                   |                 |
|         | a. Make & Model                  | To be mentioned |
|         | b. Maximum power output with RPM | To be mentioned |
|         | c. Torque with RPM               | To be mentioned |
|         | d. Power to weight ratio         | To be mentioned |
|         | e. Number of cylinder            | To be mentioned |
|         | f. Cooling system                | To be mentioned |
|         | g. Displacement                  | To be mentioned |



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| Ser. No | Description   | Specified spec  |
|---------|---|-----------------|
|         | h. Bore & Stroke  | To be mentioned |
|         | j. Type of Fuel   | To be mentioned |
|         | k. Fuel consumption   | To be mentioned |
|         | l. Fuel injection pump  | To be mentioned |
|         | m. Country of origin  | To be mentioned |
|         | n. Year of Manufacture  | To be mentioned |
| 27.     | Axle : Details to be mentioned.   | To be mentioned |
| 28.     | <b>Load on Axle.</b>  |                 |
|         | a. Front Axle   | To be mentioned |
|         | b. Rear Axle  | To be mentioned |
| 29.     | Transmission  | To be mentioned |
| 30.     | Propulsion System on Water  | To be mentioned |
| 31.     | Transfer case : Details to be mentioned.  | To be mentioned |
| 32.     | Steering  | To be mentioned |
| 33.     | <b>Tyre.</b>  |                 |
|         | a. Combat Proof Run Flat Tyre should run minimum 200 km at a speed of 20 km/h with zero tyre pressure | To be mentioned |
|         | b. Size   | To be mentioned |
|         | c. Brand / Type   | To be mentioned |
|         | d. County of origin and manufacturer  | To be mentioned |
|         | e. Number of Tyre including spare tyre.   | To be mentioned |
|         | f. Pattern  | To be mentioned |
|         | g. Suitable for cross country Movement.   | To be mentioned |
|         | h. Central Tyre Air Inflation System.   | To be mentioned |
| 34.     | Suspension  | To be mentioned |

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| Ser. No | Description   | Specified spec  |
|---------|---|-----------------|
| 35.     | <b>Brake.</b>   |                 |
|         | a. Service  | To be mentioned |
|         | b. Parking  | To be mentioned |
|         | c. Counter back   | To be mentioned |
| 36.     | <b>Collective NBC Protection.</b><br>Minimum NBC protection system should be integrated with the air conditions system. However, details to be mentioned. | To be mentioned |
|         | a. Air pressurizing system  | To be mentioned |
|         | b. Radiation Reconnaissance Device  | To be mentioned |
|         | c. Chemical Reconnaissance device and other facilities  | To be mentioned |
| 37.     | <b>Electrical System.</b>   | To be mentioned |
|         | a. Electrical Power Source (Voltage)  | To be mentioned |
|         | b. Battery (Quantity, Voltage & AH)   | To be mentioned |
|         | c. Starter (Voltage & Capacity in Kw)   | To be mentioned |
|         | d. Alternator (Quantity Voltage & capacity in Ampere)   | To be mentioned |
|         | e. Auxiliary Power Unit (preferable)  | To be mentioned |
| 38.     | Ground pressure   | To be mentioned |

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| Ser. No | Description   | Specified spec  |
|---------|---|-----------------|
| 39.     | <b>Lights and Gauges</b>  |                 |
|         | All lights and gauges including blackout lights required for complete operation (Details to be mentioned).  | To be mentioned |
| 40.     | Colour  | To be mentioned |
| 41.     | List of tools&accessories, the list of the BTR-80 APC individual SPTA set.  | To be mentioned |
| 42.     | List of publications, list of service papers will be supplied with BTR-80 APC   | To be mentioned |
| 43.     | Foreign analogs fuel and lubricant materials and also fluids recommended from use with BTR-80, BREM-K, BTR-80K vehicles   | To be mentioned |
| 44.     | Basic Armament.   | To be mentioned |
| 45.     | <b>Basic Armament.</b>  | To be mentioned |
|         | a. Type of armament   | To be mentioned |
|         | b. <b>Performance Data (main Gun).</b> (1) Calibre : Turret mounted.<br><br>(2) Operating System.<br><br>(3) Rate of Fire.<br><br>(4) Muzzle Velocity<br><br>(5) Maximum Range : Capable of engaging targets effectively at a distance of minimum 2000 meters.<br><br>(6) Loading System.<br><br>(7) Night Firing Capability. | To be mentioned |
|         | c. Firing system (including night firing option) – Main Gun   | To be mentioned |
|         | d. Secondary. Belt feed   | To be mentioned |
|         | (1) Type of Armament  | To be mentioned |
|         | (2) Operating system  | To be mentioned |
|         | (3) Rate of Fire  | To be mentioned |
|         | (4) Muzzle Velocity   | To be mentioned |
|         | (5) Maximum Range   | To be mentioned |
|         | (6) Effectiveness Range   | To be mentioned |
|         | (7) Loading System  | To be mentioned |
|         | (8) Firing system (including night firing option)   | To be mentioned |

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| Ser. No | Description   | Specified spec  |
|---------|---|-----------------|
|         | e. Ancillary: Smoke Grenade.<br>(1) No of Launchers.<br>(2) Calibre.<br>(3) Effective Range<br>(4) Effective Area<br>(5) Firing Mode<br>(6) Firing System (including night firing option).  | To be mentioned |
| 46.     | <b>Ammunition (Main Gun).</b>   | To be mentioned |
|         | a. Types of Ammunitions   | To be mentioned |
|         | b. Ready  | To be mentioned |
|         | c. Stowage  | To be mentioned |
|         | d. Loading System   | To be mentioned |
|         | <b>Fire Control System.</b>   |                 |
| 47.     | Fire Control System [Main Gun (if available)]   | To be mentioned |
| 48.     | Mode of Target Engagement   | To be mentioned |
| 49.     | Turret Control  | To be mentioned |
| 50.     | Elevation/Depression  | To be mentioned |
| 51.     | Turret Traverse   | To be mentioned |
| 52.     | Firing Port for Troops: (Use of Chinese and European made Small Arms is mandatory).   | To be mentioned |
| 53.     | Navigation Equipment  | To be mentioned |
| 54.     | Commander's Panoramic Sight   | To be mentioned |
| 55.     | <b>Vision Devices.</b>  |                 |
|         | a. Commander.<br>(1) Night :<br>(a) Type: II/TI. Details performance to include ranges, magnifications, field of view (wide angle & narrow angle).<br>(b) The offer should include II and TI both mentioning the price of TI separately | To be mentioned |
|         | (2) Day :<br>(a) Type: to be mentioned<br><br>(b) Number of Periscope: To be mentioned.   | To be mentioned |
|         | b. Gunner.<br>(1) Night :<br>(a) Type: II/TI. Details performance to include ranges, magnifications, field of view (wide angle & narrow angle).   | To be mentioned |

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| Ser. No | Description  | Specified spec  |
|---------|--|-----------------|
|         | (2) Day : To be mentioned.   | To be mentioned |
|         | (3) Eye Safe : Class I   | To be mentioned |
|         | c. Driver<br>(1) Night (Passive)<br><br>(a) Field of view: To be mentioned.<br>(b) Magnification: To be mentioned<br>(c) Range: Min 300 metre<br>(d) Other details to be mentioned.  | To be mentioned |
|         | (2) Day :<br><br>(a) Field of view: 180°<br>(b) Range: To be mentioned<br>(c) No of Periscope: 03 (Option to replace the centre one with II/TI sight).<br>(d) Other details to be mentioned.   | To be mentioned |
| 56.     | Bore Sighting Telescope Complete Quantity. One for each machine gun. Details to be mentioned.  | To be mentioned |
|         | <b>Communication System.</b>   |                 |
| 57.     | VHF Radio Set. Receive - Transmit with frequency modulation should be installed in each APC.<br><br>a. Frequency Range. 30-80MHz<br><br>b. Channel Spacing 12.5/25 KHz (Compatible with Infantry AN-PRC 77 Communication equipment).<br><br>c. Power Output. 15-20 Watt.<br><br>d. Effective/Communication Range. Minimum 10-20 km.<br><br>e. Must have RF Filter/Shielding and be fitted for communication on move.<br><br>f. VHF man pack Radio Set. | To be mentioned |
| 58.     | HF Radio Set. In addition to the integral VHF Radio Set.   | To be mentioned |
| 59.     | Inter – communication System :<br>a. For commander, gunner, driver and radio operations and two extra (minimum 6) and one socket our side of hull at the rear for dismounted crew.<br><br>b. HF, VHF radios and internal communication system should be able to use a single communication head set which toggles between devices (preferable).  | To be mentioned |
| 60.     | Air Transportability   | To be mentioned |

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ANNEX B TO

**GEN SPEC OF APC (AMB)**

| Ser. No | Description  | Specified spec  |
|---------|--|---|
| 1.      | Name and complete contact address of the manufacturer /Principal | To be mentioned   |
| 2.      | Name of the Eqpt   | To be mentioned   |
| 3.      | Country of origin and Manufacturer                               | To be mentioned   |
| 4.      | Year of Manufacturer   | To be mentioned   |
| 5.      | Make & Model   | To be mentioned   |
| 6.      | <b>Air conditioning System.</b>                                  |   |
|         | a. Model   | To be mentioned   |
|         | b. Cooling   | To be mentioned   |
|         | c. Heating   | To be mentioned   |
|         | d. Capacity  |   |
|         | (i) Cooling.   | To be mentioned   |
|         | (ii) Heating.  | To be mentioned   |
| 7.      | Number of Crews  | To be mentioned   |
| 8.      | Configuration  | To be mentioned   |
| 9.      | Combat weight  | To be mentioned   |
| 10.     | Ground clearance   | To be mentioned   |
| 11.     | <b>Protection:</b>   |   |
|         | a. Kinetic Energy (KE)   | To be mentioned in detail with type, calibre, distance, angle azimuth and elevation |
|         | b. Mine explosion/IED  | To be mentioned in detail including explosive mass                                  |
|         | c. Anti armour   | To be mentioned in detail with type, calibre, angle azimuth and elevation           |
| 12.     | Length   | To be mentioned   |
| 13.     | Width  | To be mentioned   |
| 14.     | Height (Inclusive Turret) :                                      | To be mentioned   |
| 15.     | Doors/Hatches : Details to be mentioned.                         | To be mentioned   |
| 16.     | <b>Hull Overhang Angle.</b>                                      |   |
|         | a. Front   | To be mentioned   |
|         | b. Rear  | To be mentioned   |

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| Ser. No | Description                      | Specified spec  |
|---------|----------------------------------|-----------------|
| 17.     | <b>Negotiable Obstacles.</b>     |                 |
|         | a. Gradient                      | To be mentioned |
|         | b. Tilt/Slope                    | To be mentioned |
|         | c. Angle of Approach             | To be mentioned |
|         | d. Angle of departure            | To be mentioned |
|         | e. Height of Wave                | To be mentioned |
|         | f. Trench Crossing               | To be mentioned |
|         | g. Vertical Obstacle Crossing    | To be mentioned |
|         | h. Fording Capability            | To be mentioned |
| 18.     | <b>Wheel Tread.</b>              |                 |
|         | a. Front                         | To be mentioned |
|         | b. Rear                          | To be mentioned |
| 19.     | Wheel base                       | To be mentioned |
| 20.     | Fuel Endurance in High way       | To be mentioned |
| 21.     | Amphibious Capability            | To be mentioned |
| 22.     | Turning Radius                   | To be mentioned |
| 23.     | Winch                            | To be mentioned |
| 24.     | Fuel Tank Capacity               | To be mentioned |
| 25.     | <b>Speed.</b>                    |                 |
|         | a. Road                          | To be mentioned |
|         | b. Cross Country (average)       | To be mentioned |
|         | c. Afloat                        | To be mentioned |
| 26.     | <b>Engine.</b>                   |                 |
|         | a. Make & Model                  | To be mentioned |
|         | b. Maximum power output with RPM | To be mentioned |
|         | c. Torque with RPM               | To be mentioned |
|         | d. Power to weight ratio         | To be mentioned |
|         | e. Number of cylinder            | To be mentioned |
|         | f. Cooling system                | To be mentioned |
|         | g. Displacement                  | To be mentioned |

RESTRICTED

| Ser. No | Description  | Specified spec  |
|---------|--|-----------------|
|         | h. Bore & Stroke   | To be mentioned |
|         | j. Type of Fuel  | To be mentioned |
|         | k. Fuel consumption  | To be mentioned |
|         | l. Fuel injection pump   | To be mentioned |
|         | m. Country of origin   | To be mentioned |
|         | n. Year of Manufacture   | To be mentioned |
| 27.     | Axle: Details to be mentioned.   | To be mentioned |
| 28.     | <b>Load on Axle.</b>   |                 |
|         | a. Front Axle  | To be mentioned |
|         | b. Rear Axle   | To be mentioned |
| 29.     | Transmission   | To be mentioned |
| 30.     | Propulsion System on Water   | To be mentioned |
| 31.     | Transfer case: Details to be mentioned.  | To be mentioned |
| 32.     | Steering   | To be mentioned |
| 33.     | <b>Tyre.</b>   |                 |
|         | a. Combat Proof Run Flat: Tyre should run minimum 200 km at a speed of 20 km/h with zero tyre pressure   | To be mentioned |
|         | b. Size  | To be mentioned |
|         | c. Brand / Type  | To be mentioned |
|         | d. County of origin and manufacturer   | To be mentioned |
|         | e. Number of Tyre including spare tyre.  | To be mentioned |
|         | f. Pattern   | To be mentioned |
|         | g. Suitable for cross country Movement.  | To be mentioned |
|         | h. Central Tyre Air Inflation System.  | To be mentioned |
| 34.     | Suspension   | To be mentioned |
| 35.     | <b>Brake.</b>  |                 |
|         | a. Service   | To be mentioned |
|         | b. Parking   | To be mentioned |
|         | c. Counter back  | To be mentioned |
| 36.     | Collective NBC Protection.<br>Minimum NBC protection system should be integrated with the air conditions system. However, details to be mentioned. | To be mentioned |



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| Ser. No | Description  | Specified spec  |
|---------|--|-----------------|
|         | Blower. type   | To be mentioned |
|         | Absorber-filter. type. mark                            | To be mentioned |
|         | a. Air pressurizing system                             | To be mentioned |
|         | b. Radiation Reconnaissance Device                     | To be mentioned |
|         | c. Chemical Reconnaissance device and other facilities | To be mentioned |
| 37.     | <b>Electrical System.</b>                              | To be mentioned |
|         | a. Electrical Power Source (Voltage)                   | To be mentioned |
|         | b. Battery (Quantity, Voltage & AH)                    | To be mentioned |
|         | c. Starter (Voltage & Capacity in Kw)                  | To be mentioned |
|         | d. Alternator (Quantity Voltage & capacity in Ampere)  | To be mentioned |
|         | e. Auxiliary Power Unit (preferable)                   | To be mentioned |
| 38.     | Ground pressure  | To be mentioned |
| 39.     | <b>Fire Fighting equipment.</b>                        |                 |
|         | Fire Fighting system                                   | To be mentioned |
|         | Method of actuation                                    | To be mentioned |
|         | Extinguishing fluid used                               | To be mentioned |
|         | Quantity of bottles and their location                 | To be mentioned |
|         | Quantity of fire sensitive units and their location    | To be mentioned |
|         | Portable fire extinguisher                             | To be mentioned |
| 40.     | <b>Special equipment.</b>                              |                 |
|         | Shelve with drawers for placing medical equipment      | To be mentioned |
|         | Box for placing flasks and parcels                     | To be mentioned |
|         | Immobilization shield                                  | To be mentioned |
|         | Tool table   | To be mentioned |
|         | Tank for water (of 40 L capacity)                      | To be mentioned |
|         | Canister for drinking water (of 2 L capacity)          | To be mentioned |
|         | Wash – stand with tank of 30 L capacity                | To be mentioned |
| 41.     | Means for placing and transportation of wounded        |                 |
|         | -Sanitary stretchers                                   | To be mentioned |
|         | -Transport carpet                                      | To be mentioned |
|         | -Six – place seat                                      | To be mentioned |
|         | Loading head   | To be mentioned |
|         | Awning – cover, set                                    | To be mentioned |

RESTRICTED

| Ser. | Description   | Specified spec  |
|------|---|-----------------|
| 42.  | <b>Accessories.</b>   |                 |
|      | a. Lights & gauges.<br>All lights and gauges including blackout lights required for complete operation (Details to be mentioned).   | To be mentioned |
|      | b. Other accessories.<br>Mandatory accessories to be supplied (Details to be mentioned).<br>Optional accessories to be supplied.  | To be mentioned |
| 43.  | Color   | To be mentioned |
| 44.  | List of tools&accessories, the list of the BMM individual SPTA set.   | To be mentioned |
| 45.  | List of publications, list of service papers will be supplied with BMM  | To be mentioned |
| 46.  | Foreign analogs fuel and lubricant materials and also fluids recommended from use with BTR-80, BREM-K, BMM  | To be mentioned |
| 47.  | Sets of spare parts for maintenance and repair of BTR-80, BREM-K, BMM vehicles  | To be mentioned |
| 48.  | Navigation Equipment  | To be mentioned |
| 49.  | Commander's panoramic sight   | To be mentioned |
| 50.  | <b>Vision Devices.</b>  |                 |
|      | a. Commander.<br>(1) Night :<br>(a) Type: II/TI. Details performance to include ranges, magnifications, field of view (wide angle & narrow angle).<br>(b) The offer should include II and TI both mentioning the price of TI separately | To be mentioned |
|      | (2) Day :<br>(a) Type: to be mentioned<br>(b) Number of Periscope: To be mentioned.   | To be mentioned |
|      | c. Driver<br>(1) Night (Passive)<br>(a) Field of view: To be mentioned.<br><br>(b) Magnification: To be mentioned<br>(c) Range: Min 300 metre<br>(d) Other details to be mentioned.   | To be mentioned |

RESTRICTED

| Ser. | Description  | Specified spec  |
|------|--|-----------------|
|      | (2) Day :<br>(a) Field of view: 180°<br>(b) Range: To be mentioned<br>(c) No of Periscope: 03 (Option to replace the centre one with II/TI sight).<br>(d) Other details to be mentioned.   | To be mentioned |
| 51.  | <b>Communication System.</b>   |                 |
|      | VHF Radio Set. Receive - Transmit with frequency modulation should be installed in each APC Ambulance.<br>a. Frequency Range. 30-80MHz<br>b. Channel Spacing 12.5/25 KHz (Compatible with Infantry AN-PRC 77 Communication equipment).<br>c. Power Output. 15-20 Watt.<br>d. Effective/Communication Range. Minimum 10-20 km.<br>e. Must have RF Filter/Shielding and be fitted for communication on move.<br>f. VHF man pack Radio Set. | To be mentioned |
| 52.  | HF Radio Set. In addition to the integral VHF Radio Set.   | To be mentioned |
| 59.  | Inter – communication System :<br>a. For commander, gunner, driver and radio operations and two extra (minimum 6) and one socket our side of hull at the rear for dismounted crew.<br>b. HF, VHF radios and internal communication system should be able to use a single communication head set which toggles between devices (preferable).  | To be mentioned |
| 60.  | Air Transportability   | To be mentioned |

RESTRICTED

ANNEX C TO

**GEN SPEC OF APC ( REC )**

| Ser. No | Description  | Specified spec  |
|---------|--|---|
| 1.      | Name and complete contact address of the manufacturer /Principal | To be mentioned   |
| 2.      | Name of the Eqpt   | To be mentioned   |
| 3.      | Country of origin and Manufacturer                               | To be mentioned   |
| 4.      | Year of Manufacturer   | To be mentioned   |
| 5.      | Make & Model   | To be mentioned   |
| 6.      | Air conditioning System.   |   |
|         | a. Model   | To be mentioned   |
|         | b. Cooling   | To be mentioned   |
|         | c. Heating   | To be mentioned   |
|         | d. Capacity  |   |
|         | (i) Cooling.   | To be mentioned   |
|         | (ii) Heating   | To be mentioned   |
| 7.      | Number of Crews  | To be mentioned   |
| 8.      | Configuration  | To be mentioned   |
| 9.      | Combat weight  | To be mentioned   |
| 10.     | Ground clearance   | To be mentioned   |
| 11.     | <b>Protection:</b>   |   |
|         | a. Kinetic Energy (KE)   | To be mentioned in detail with type, calibre, distance, angle azimuth and elevation |
|         | b. Mine explosion/IED  | To be mentioned in detail including explosive mass                                  |
|         | c. Anti armour   | To be mentioned in detail with type, calibre, angle azimuth and elevation           |
| 12.     | Length   | To be mentioned   |
| 13.     | Width  | To be mentioned   |
| 14.     | Height (Inclusive Turret) :                                      | To be mentioned   |
| 15.     | Doors/Hatches : Details to be mentioned.                         | To be mentioned   |
| 16.     | Hull Overhang Angle.   |   |
|         | a. Front   | To be mentioned   |
|         | b. Rear  | To be mentioned   |

RESTRICTED

| Ser. No | Description                      | Specified spec  |
|---------|----------------------------------|-----------------|
| 17.     | <b>Negotiable Obstacles.</b>     |                 |
|         | a. Gradient                      | To be mentioned |
|         | b. Tilt/Slope                    | To be mentioned |
|         | c. Angle of Approach             | To be mentioned |
|         | d. Angle of departure            | To be mentioned |
|         | e. Height of Wave                | To be mentioned |
|         | f. Trench Crossing               | To be mentioned |
|         | g. Vertical Obstacle Crossing    | To be mentioned |
|         | h. Fording Capability            | To be mentioned |
| 18.     | <b>Wheel Tread.</b>              |                 |
|         | a. Front                         | To be mentioned |
|         | b. Rear                          | To be mentioned |
| 19.     | Wheel base                       | To be mentioned |
| 20.     | Fuel Endurance in High way       | To be mentioned |
| 21.     | Amphibious Capability            | To be mentioned |
| 22.     | Turning Radius                   | To be mentioned |
| 23.     | Winch                            | To be mentioned |
| 24.     | Fuel Tank Capacity               | To be mentioned |
| 25.     | <b>Speed.</b>                    |                 |
|         | a. Road                          | To be mentioned |
|         | b. Cross Country (average)       | To be mentioned |
|         | c. Afloat                        | To be mentioned |
| 26.     | <b>Engine.</b>                   |                 |
|         | a. Make & Model                  | To be mentioned |
|         | b. Maximum power output with RPM | To be mentioned |
|         | c. Torque with RPM               | To be mentioned |
|         | d. Power to weight ratio         | To be mentioned |
|         | e. Number of cylinder            | To be mentioned |
|         | f. Cooling system                | To be mentioned |
|         | g. Displacement                  | To be mentioned |

RESTRICTED

| Ser. No | Description  | Specified spec  |
|---------|--|-----------------|
|         | h. Bore & Stroke   | To be mentioned |
|         | j. Type of Fuel  | To be mentioned |
|         | k. Fuel consumption  | To be mentioned |
|         | l. Fuel injection pump   | To be mentioned |
|         | m. Country of origin   | To be mentioned |
|         | n. Year of Manufacture   | To be mentioned |
| 27.     | Axle : Details to be mentioned.  | To be mentioned |
| 28.     | <b>Load on Axle.</b>   |                 |
|         | a. Front Axle  | To be mentioned |
|         | b. Rear Axle   | To be mentioned |
| 29.     | Transmission   | To be mentioned |
| 30.     | Propulsion System on Water   | To be mentioned |
| 31.     | Transfer case : Details to be mentioned.   | To be mentioned |
| 32.     | Steering   | To be mentioned |
| 33.     | <b>Tyre.</b>   |                 |
|         | a. Combat Proof Run Flat :Tyre should run minimum 200 km at a speed of 20 km/h with zero tyre pressure   | To be mentioned |
|         | b. Size  | To be mentioned |
|         | c. Brand / Type  | To be mentioned |
|         | d. County of origin and manufacturer   | To be mentioned |
|         | e. Number of Tyre including spare tyre.  | To be mentioned |
|         | f. Pattern   | To be mentioned |
|         | g. Suitable for cross country Movement.  | To be mentioned |
|         | h. Central Tyre Air Inflation System.  | To be mentioned |
| 34.     | Suspension   | To be mentioned |
| 35.     | <b>Brake.</b>  |                 |
|         | a. Service   | To be mentioned |
|         | b. Parking   | To be mentioned |
|         | c. Counter back  | To be mentioned |
| 36.     | Collective NBC Protection.<br>Minimum NBC protection system should be integrated with the air conditions system. However, details to be mentioned. | To be mentioned |

## RESTRICTED

| Ser. No | Description  | Specified spec  |
|---------|--|-----------------|
|         | Blower, type   | To be mentioned |
|         | Absorber-filter, type, mark                            | To be mentioned |
|         | a. Air pressurizing system                             | To be mentioned |
|         | b. Radiation Reconnaissance Device                     | To be mentioned |
|         | c. Chemical Reconnaissance device and other facilities | To be mentioned |
| 37.     | <b>Electrical System.</b>                              | To be mentioned |
|         | a. Electrical Power Source (Voltage)                   | To be mentioned |
|         | b. Battery (Quantity, Voltage & AH)                    | To be mentioned |
|         | c. Starter (Voltage & Capacity in Kw)                  | To be mentioned |
|         | d. Alternator (Quantity Voltage & capacity in Ampere)  | To be mentioned |
|         | e. Auxiliary Power Unit (preferable)                   | To be mentioned |
| 38.     | Ground pressure  | To be mentioned |
| 39.     | <b>Fire Fighting equipment</b>                         |                 |
|         | Fire Fighting system                                   | To be mentioned |
|         | Method of actuation                                    | To be mentioned |
|         | Extinguishing fluid used                               | To be mentioned |
|         | Quantity of bottles and their location                 | To be mentioned |
|         | Quantity of fire sensitive units and their location    | To be mentioned |
|         | Portable fire extinguisher                             | To be mentioned |
| 40.     | <b>Special equipment</b>                               |                 |
|         | Hand –operated winch                                   | To be mentioned |
|         | Equipment for fixing of the vehicle on the ground      | To be mentioned |
|         | Electric welding equipment                             | To be mentioned |
|         | a. Generator   | To be mentioned |
|         | b. Max welding current , A                             | To be mentioned |
|         | c. Operating votage. V                                 | To be mentioned |
|         | d. Setting –up time, min                               | To be mentioned |
|         | e. Max electrode dia. mm                               | To be mentioned |
|         | Usable rope  | To be mentioned |
|         | Means of towing  |                 |
|         | Tow bar, pcs   | To be mentioned |
|         | flexible coupling, type                                | To be mentioned |
|         | Load platform  | To be mentioned |
|         | Load-carrying, kgf                                     | To be mentioned |
|         | General purpose tools                                  | To be mentioned |

RESTRICTED

| Ser. | Description  | Specified spec  |
|------|--|-----------------|
| 41.  | <b>Crane Details</b>   |                 |
|      | <b><u>JIB CRANE:</u></b>   |                 |
|      | Load capacity, Kg  | To be mentioned |
|      | Hoisting mechanism   | To be mentioned |
|      | Hoisting height, M   | To be mentioned |
|      | <b><u>HAND OPERATED TOWER CRANE:</u></b>   |                 |
|      | Load capacity, Kg  | To be mentioned |
|      | Hoisting mechanism   | To be mentioned |
|      | Hoisting height, M   | To be mentioned |
| 42.  | <b>Accessories.</b>  |                 |
|      | a. Lights & gauges.<br>All lights and gauges including blackout lights required for complete operation (Details to be mentioned).  | To be mentioned |
|      | b. Other accessories.<br>Mandatory accessories to be supplied (Details to be mentioned).<br>Optional accessories to be supplied.   | To be mentioned |
| 43.  | Color  | To be mentioned |
| 44.  | List of tools&accessories. the list of the BREM-K individual SPTA set.   | To be mentioned |
| 45.  | List of publications, list of service papers will be supplied with BREM-K  | To be mentioned |
| 46.  | Foreign analogs fuel and lubricant materials and also fluids recommended from use with BTR-80, BREM-K, BTR-80K vehicles  | To be mentioned |
| 47.  | <b>Basic Armament.</b>   | To be mentioned |
|      | (1) Type of Armament   | To be mentioned |
|      | (2) Operating system   | To be mentioned |
|      | (3) Rate of Fire   | To be mentioned |
|      | (4) Muzzle Velocity  | To be mentioned |
|      | (5) Maximum Range  | To be mentioned |
|      | (6) Effectiveness Range  | To be mentioned |
|      | (7) Loading System   | To be mentioned |
|      | (8) Firing system (including night firing option)  | To be mentioned |
|      | e. Ancillary: Smoke Grenade.<br>(1) No of Launchers.<br>(2) Calibre.<br>(3) Effective Range<br>(4) Effective Area<br>(5) Firing Mode<br>(6) Firing System (including night firing option). | To be mentioned |
|      |  |                 |



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| Ser. No | Description   | Specified spec  |
|---------|---|-----------------|
| 48.     | <b>Vision Devices :</b>   |                 |
|         | Day sight   | To be mentioned |
|         | Type  | To be mentioned |
|         | Magnification   | To be mentioned |
|         | Angular field of view   | To be mentioned |
|         | Range   | To be mentioned |
| 49.     | <b>Day vision devices:</b>  |                 |
|         | Mark  | To be mentioned |
|         | Type  | To be mentioned |
|         | Quantity, pcs   | To be mentioned |
|         | Mark  | To be mentioned |
|         | Type  | To be mentioned |
|         | Quantity, pcs   | To be mentioned |
|         | Mark  | To be mentioned |
|         | Type  | To be mentioned |
|         | Quantity, pcs   | To be mentioned |
|         | Mark  | To be mentioned |
|         | Type  | To be mentioned |
|         | Quantity, pcs   | To be mentioned |
|         | Mark  | To be mentioned |
|         | Type  | To be mentioned |
|         | Quantity, pcs   | To be mentioned |
| 50.     | Turret Control  | To be mentioned |
| 51.     | Elevation/Depression  | To be mentioned |
| 52.     | Turret Traverse   | To be mentioned |
| 53.     | Navigation Equipment  | To be mentioned |
| 54.     | Commander's Panoramic Sight   | To be mentioned |
| 55.     | <b>Vision Devices.</b>  |                 |
|         | a. Commander.<br>(1) Night :<br>(a) Type: II/TI. Details performance to include ranges, magnifications, field of view (wide angle & narrow angle).<br>(b) The offer should include II and TI both mentioning the price of TI separately | To be mentioned |
|         | (2) Day :<br>(a) Type: to be mentioned<br><br>(b) Number of Periscope: To be mentioned.   | To be mentioned |

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| Ser. No | Description   | Specified spec  |
|---------|---|-----------------|
|         | <p>c. Driver</p> <p>(1) Night (Passive)</p> <p>(a) Field of view: To be mentioned.</p> <p>(b) Magnification: To be mentioned</p> <p>(c) Range: Min 300 metre</p> <p>(d) Other details to be mentioned.</p>  | To be mentioned |
|         | <p>(2) Day :</p> <p>(a) Field of view: 180°</p> <p>(b) Range: To be mentioned</p> <p>(c) No of Periscope: 03 (Option to replace the centre one with II/TI sight).</p> <p>(d) Other details to be mentioned.</p>   | To be mentioned |
| 56.     | Bore Sighting Telescope Complete Quantity. One for each machine gun. Details to be mentioned.   | To be mentioned |
|         | <b>Communication System.</b>  |                 |
| 57.     | <p>VHF Radio Set. Receive - Transmit with frequency modulation should be installed in each APC.</p> <p>a. Frequency Range. 30-80MHz</p> <p>b. Channel Spacing 12.5/25 KHz (Compatible with Infantry AN-PRC 77 Communication equipment).</p> <p>c. Power Output. 15-20 Watt.</p> <p>d. Effective/Communication Range. Minimum 10-20 km.</p> <p>e. Must have RF Filter/Shielding and be fitted for communication on move.</p> <p>f. VHF man pack Radio Set.</p> | To be mentioned |
| 58.     | HF Radio Set. In addition to the integral VHF Radio Set.  | To be mentioned |
| 59.     | <p>Inter – communication System :</p> <p>a. For commander, gunner, driver and radio operations and two extra (minimum 6) and one socket our side of hull at the rear for dismounted crew.</p> <p>b. HF, VHF radios and internal communication system should be able to use a single communication head set which toggles between devices (preferable).</p>  | To be mentioned |
| 60.     | Air Transportability  | To be mentioned |

RESTRICTED

ANNEX D TO

**GEN SPEC OF APC (COMD POST)**

| Ser. No | Description  | Specified spec  |
|---------|--|---|
| 1.      | Name and complete contact address of the manufacturer /Principal | To be mentioned   |
| 2.      | Name of the Eqpt   | To be mentioned   |
| 3.      | Country of origin and Manufacturer                               | To be mentioned   |
| 4.      | Year of Manufacturer   | To be mentioned   |
| 5.      | Make & Model   | To be mentioned   |
| 6.      | <b>Air conditioning System.</b>                                  |   |
|         | a. Model   | To be mentioned   |
|         | b. Cooling   | To be mentioned   |
|         | c. Heating   | To be mentioned   |
|         | d. Capacity  |   |
|         | (i) Cooling.   | To be mentioned   |
|         | (ii) Heating   | To be mentioned   |
| 7.      | Number of Crews  | To be mentioned   |
| 8.      | Configuration  | To be mentioned   |
| 9.      | Combat weight  | To be mentioned   |
| 10.     | Ground clearance   | To be mentioned   |
| 11.     | <b>Protection:</b>   |   |
|         | a. Kinetic Energy (KE)   | To be mentioned in detail with type, calibre, distance, angle azimuth and elevation |
|         | b. Mine explosion/IED  | To be mentioned in detail including explosive mass                                  |
|         | c. Anti armour   | To be mentioned in detail with type, calibre, angle azimuth and elevation           |
| 12.     | Length   | To be mentioned   |
| 13.     | Width  | To be mentioned   |
| 14.     | Height (Inclusive Turret) :                                      | To be mentioned   |
| 15.     | Doors/Hatches : Details to be mentioned.                         | To be mentioned   |
| 16.     | <b>Hull Overhang Angle.</b>                                      |   |
|         | a. Front   | To be mentioned   |
|         | b. Rear  | To be mentioned   |

RESTRICTED

| Ser. No | Description                      | Specified spec  |
|---------|----------------------------------|-----------------|
| 17.     | <b>Negotiable Obstacles.</b>     |                 |
|         | a. Gradient                      | To be mentioned |
|         | b. Tilt/Slope                    | To be mentioned |
|         | c. Angle of Approach             | To be mentioned |
|         | d. Angle of departure            | To be mentioned |
|         | e. Height of Wave                | To be mentioned |
|         | f. Trench Crossing               | To be mentioned |
|         | g. Vertical Obstacle Crossing    | To be mentioned |
|         | h. Forging Capability            | To be mentioned |
| 18.     | <b>Wheel Tread.</b>              |                 |
|         | a. Front                         | To be mentioned |
|         | b. Rear                          | To be mentioned |
| 19.     | Wheel base                       | To be mentioned |
| 20.     | Fuel Endurance in High way       | To be mentioned |
| 21.     | Amphibious Capability            | To be mentioned |
| 22.     | Turning Radius                   | To be mentioned |
| 23.     | Winch                            | To be mentioned |
| 24.     | Fuel Tank Capacity               | To be mentioned |
| 25.     | <b>Speed.</b>                    |                 |
|         | a. Road                          | To be mentioned |
|         | b. Cross Country (average)       | To be mentioned |
|         | c. Afloat                        | To be mentioned |
| 26.     | <b>Engine.</b>                   |                 |
|         | a. Make & Model                  | To be mentioned |
|         | b. Maximum power output with RPM | To be mentioned |
|         | c. Torque with RPM               | To be mentioned |
|         | d. Power to weight ratio         | To be mentioned |
|         | e. Number of cylinder            | To be mentioned |
|         | f. Cooling system                | To be mentioned |
|         | g. Displacement                  | To be mentioned |

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| Ser. No | Description   | Specified spec  |
|---------|---|-----------------|
|         | h. Bore & Stroke  | To be mentioned |
|         | j. Type of Fuel   | To be mentioned |
|         | k. Fuel consumption   | To be mentioned |
|         | l. Fuel injection pump  | To be mentioned |
|         | m. Country of origin  | To be mentioned |
|         | n. Year of Manufacture  | To be mentioned |
| 27.     | Axle : Details to be mentioned.   | To be mentioned |
| 28.     | <b>Load on Axle.</b>  |                 |
|         | a. Front Axle   | To be mentioned |
|         | b. Rear Axle  | To be mentioned |
| 29.     | Transmission  | To be mentioned |
| 30.     | Propulsion System on Water  | To be mentioned |
| 31.     | Transfer case : Details to be mentioned.  | To be mentioned |
| 32.     | Steering  | To be mentioned |
| 33.     | <b>Tyre.</b>  |                 |
|         | a. Combat Proof Run Flat Tyre should run minimum 200 km at a speed of 20 km/h with zero tyre pressure | To be mentioned |
|         | b. Size   | To be mentioned |
|         | c. Brand / Type   | To be mentioned |
|         | d. County of origin and manufacturer  | To be mentioned |
|         | e. Number of Tyre including spare tyre.   | To be mentioned |
|         | f. Pattern  | To be mentioned |
|         | g. Suitable for cross country Movement.   | To be mentioned |
|         | h. Central Tyre Air Inflation System.   | To be mentioned |
| 34.     | Suspension  | To be mentioned |
|         | <b>Brake.</b>   |                 |
|         | a. Service  | To be mentioned |
|         | b. Parking  | To be mentioned |
|         | c. Counter back   | To be mentioned |

RESTRICTED

| Ser. No | Description   | Specified spec  |
|---------|---|-----------------|
| 36.     | <b>Collective NBC Protection.</b><br>Minimum NBC protection system should be integrated with the air conditions system. However, details to be mentioned. | To be mentioned |
|         | a. Air pressurizing system  | To be mentioned |
|         | b. Radiation Reconnaissance Device  | To be mentioned |
|         | c. Chemical Reconnaissance device and other facilities  | To be mentioned |
| 37.     | <b>Electrical System.</b>   | To be mentioned |
|         | a. Electrical Power Source (Voltage)  | To be mentioned |
|         | b. Battery (Quantity, Voltage & AH)   | To be mentioned |
|         | c. Starter (Voltage & Capacity in Kw)   | To be mentioned |
|         | d. Alternator (Quantity Voltage & capacity in Ampere)   | To be mentioned |
|         | e. Auxiliary Power Unit (preferable)  | To be mentioned |
| 38.     | Ground pressure   | To be mentioned |
| 39.     | <b>Lights and Gauges.</b>   |                 |
|         | All lights and gauges including blackout lights required for complete operation (Details to be mentioned).  | To be mentioned |
|         | Colour  | To be mentioned |
|         | List of tools&accessories, the list of the BTR-80K APC individual SPTA set.   | To be mentioned |
| 42.     | List of publications, list of service papers will be supplied with BTR-80K APC  | To be mentioned |
| 43.     | Foreign analogs fuel and lubricant materials and also fluids recommended from use with BTR-80, BTR-80K, BREM-K vehicles                                   | To be mentioned |

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| Ser. No | Description   | Specified spec  |
|---------|---|-----------------|
| 44.     | <b>Basic Armament.</b>  | To be mentioned |
| 45.     | <b>Basic Armament.</b>  | To be mentioned |
|         | a. Type of armament   | To be mentioned |
|         | b. <b>Performance Data (main Gun).</b> (1) Calibre : Turret mounted.<br>(2) Operating System.<br>(3) Rate of Fire.<br>(4) Muzzle Velocity<br>(5) Maximum Range : Capable of engaging targets effectively at a distance of minimum 2000 meters.<br>(6) Loading System.<br>(7) Night Firing Capability. | To be mentioned |
|         | c. Firing system (including night firing option) – Main Gun   | To be mentioned |
|         | d. Secondary. Belt feed   | To be mentioned |
|         | (1) Type of Armament  | To be mentioned |
|         | (2) Operating system  | To be mentioned |
|         | (3) Rate of Fire  | To be mentioned |
|         | (4) Muzzle Velocity   | To be mentioned |
|         | (5) Maximum Range   | To be mentioned |
|         | (6) Effectiveness Range   | To be mentioned |
|         | (7) Loading System  | To be mentioned |
|         | (8) Firing system (including night firing option)   | To be mentioned |
|         | e. Ancillary: Smoke Grenade.<br>(1) No of Launchers.<br>(2) Calibre.<br>(3) Effective Range<br>(4) Effective Area<br>(5) Firing Mode<br>(6) Firing System (including night firing option).  | To be mentioned |

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| Ser. No | Description   | Specified spec  |
|---------|---|-----------------|
| 46.     | <b>Ammunition (Main Gun).</b>   |                 |
|         | a. Types of Ammunitions   | To be mentioned |
|         | b. Ready  | To be mentioned |
|         | c. Stowage  | To be mentioned |
|         | d. Loading System   | To be mentioned |
|         | <b>Fire Control System.</b>   |                 |
| 47.     | Fire Control System [Main Gun (if available)]   | To be mentioned |
| 48.     | Mode of Target Engagement   | To be mentioned |
| 49.     | Turret Control  | To be mentioned |
| 50.     | Elevation/Depression  | To be mentioned |
| 51.     | Turret Traverse   | To be mentioned |
| 52.     | Firing Port for Troops: (Use of Chinese and European made Small Arms is mandatory).   | To be mentioned |
| 53.     | Navigation Equipment  | To be mentioned |
| 54.     | Commander's Panoramic Sight   | To be mentioned |
| 55.     | <b>Vision Devices.</b>  |                 |
|         | a. Commander.<br>(1) Night :<br>(a) Type: II/TI. Details performance to include ranges, magnifications, field of view (wide angle & narrow angle).<br>(b) The offer should include II and TI both mentioning the price of TI separately | To be mentioned |
|         | (2) Day :<br>(a) Type: to be mentioned<br><br>(b) Number of Periscope: To be mentioned.   | To be mentioned |
|         | b. Gunner.<br>(1) Night :<br>(a) Type: II/TI. Details performance to include ranges, magnifications, field of view (wide angle & narrow angle).   | To be mentioned |



RESTRICTED

| Ser. No | Description  | Specified spec  |
|---------|--|-----------------|
|         | (2) Day : To be mentioned.   | To be mentioned |
|         | (3) Eye Safe : Class I   | To be mentioned |
|         | c. Driver<br>(1) Night (Passive)<br><br>(a) Field of view: To be mentioned.<br>(b) Magnification: To be mentioned<br>(c) Range: Min 300 metre<br>(d) Other details to be mentioned.  | To be mentioned |
|         | (2) Day :<br>(a) Field of view: 180°<br>(b) Range: To be mentioned<br>(c) No of Periscope: 03 (Option to replace the centre one with II/TI sight).<br>(d) Other details to be mentioned.   | To be mentioned |
| 56.     | Bore Sighting Telescope Complete Quantity. One for each machine gun. Details to be mentioned.  | To be mentioned |
|         | <b>Communication System.</b>   |                 |
| 57.     | VHF Radio Set. Receive - Transmit with frequency modulation should be installed in each APC.<br><br>a. Frequency Range. 30-80MHz<br><br>b. Channel Spacing 12.5/25 KHz (Compatible with Infantry AN-PRC 77 Communication equipment).<br><br>c. Power Output. 15-20 Watt.<br><br>d. Effective/Communication Range. Minimum 10-20 km.<br><br>e. Must have RF Filter/Shielding and be fitted for communication on move.<br><br>f. VHF man pack Radio Set. | To be mentioned |
| 58.     | HF Radio Set. In addition to the integral VHF Radio Set.   | To be mentioned |
| 59.     | Inter – communication System :<br>a. For commander, gunner, driver and radio operations and two extra (minimum 6) and one socket our side of hull at the rear for dismounted crew.<br><br>b. HF, VHF radios and internal communication system should be able to use a single communication head set which toggles between devices (preferable).  | To be mentioned |
| 60.     | Air Transportability   | To be mentioned |