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24 Agrahayan 1431

09 December 2024

06.06.0000.214.eval.24/Truck 3 Ton

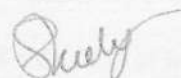
BOARD OF OFFICER-RE-EVALUATION OF TRUCK 3 TON (MILITARIZED VERSION)

Reference:

A. Army Headquarters, Quarter Master General Branch, Supply and Transport Directorate letter number 23. 01.901.043.03.01.079.02.04.12.24 Dated 04 December 2024 (Not to all).

1. Please be informed that Bangladesh Army is planning for re-evaluation of **Truck 3 Ton (Militarized Version)**. In this regard, you are requested to forward technical offer along with **original brochure catalogue, Technical/ training/ operational/ maintenance manuals and budgetary offers etcetera for standardization**. Offered models should be compatible with general technical specification attached herewith and to be submitted directly to Army Headquarters, Quarter Master General Branch, Supply and Transport Directorate, Dhaka Cantonment by **31 January 2025** 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. Technical Specification of Truck 3 Ton (Militarized Version) - 01 (Set) only.

Distribution:

External:

Action:

(All Concerned Supplier/Firm)

Information:

Army Headquarters, General Staff Branch, Overseas Operations Directorate
Army Headquarters, General Staff Branch, Weapon Equipment and Statistic Directorate
Army Headquarters, Quarter Master General Branch, Supply and Transport Directorate
Army Headquarters, Master General of the Ordnance Branch, Ordnance Directorate
Army Headquarters, Master General of the Ordnance Branch, Electrical and Mechanical Engineers Directorate

Internal:

IT Section: Publish in web site.

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GENERAL SPECIFICATION OF TRUCK 3 TON (MIL VERSION)

| Ser | Description | Specification Required | To be filled up by the Manufacturer/Principal |
|-----|---|--|---|
| 1. | Nomenclature | To be mentioned | |
| 2. | Name and Complete Address of Local Agent | To be mentioned | |
| 3. | Name and Complete Address of Principal | To be mentioned | |
| 4. | Name and Complete Address of Manufacturer | To be mentioned | |
| 5. | Make and Model of vehicle | To be mentioned | |
| 6. | Type of Drive & location of steering | 4x4, RHD with steering lock | |
| 7. | a. Country of origin | Gp A | |
| | b. Country of Manufacturer | Gp A | |
| | c. Country of Assembly | For CBU: Gp A For CKD: Gp A and Bangladesh | |
| 8. | Year of production | Not before the year of contract | |
| 9. | Performance: | | |
| | a. Grade-ability at (% Degree) 10 km Speed | Tan $\alpha = 22.5^\circ$ (41.4%) (minimum) | |
| | b. Approach & departure angle | Not less than 30° | |
| | c. Fording Depth | Minimum 800mm | |
| | d. Towed load | Towing load capacity 3 ton (minimum) | |
| | e. Seating capacity | Min 18 person with personal equipment in rear load body and 2 person in cabin including-driver | |
| | f. Turning Radius | Should not exceed 10 M wall to wall | |
| | g. Fuel Consumption | To be mentioned | |
| | h. Fuel Tank Capacity | To be commensurate with cruising range with full load | |
| | j. Cruising range (full load) | Minimum 450 KM | |
| | k. Minimum Ground Clearance | Minimum 275mm | |
| | l. Front & side Fenders | To be provided | |
| 10. | Weights (Kg) : | | |
| | a. G. V. W. | To be mentioned | |
| | b. Pay load | | |
| | (1) High way | Min 4 Ton | |
| | (2) Cross country | Min 3 Ton | |
| | c. Power to weight ratio (HP/Wt in ton) | To be mentioned | |
| | d. Kerb Weight (kg/ton) | To be mentioned | |
| | e. Gross combination weight | To be mentioned | |
| 11. | Dimensions: | | |
| | a. Overall length | To be mentioned | |
| | b. Overall width (vehicle) | To be mentioned | |
| | c. Overall width (cab) | To be mentioned | |
| | d. Overall height (cab) | To be mentioned | |
| | e. Tread front | To be mentioned | |
| | f. Tread rear | To be mentioned | |
| | g. Rear body : | | |
| | (1) Inside length | To be mentioned | |
| | (2) Inside width | To be mentioned | |
| | (3) Inside height | To be mentioned | |
| | (4) Overall height | To be mentioned | |
| | h. Wheel base | To be mentioned | |
| | j. Front over hang | To be mentioned | |
| | k. Rear over hang | To be mentioned | |
| 12. | Engine : | | |
| | a. Make & Model | To be mentioned | |
| | b. Type of engine | To be mentioned | |
| | c. Country of origin | Gp A | |
| | d. Country of manufacture | | |
| | e. Country of assembly | | |
| | f. Year of production | Not before the year of contract | |
| | g. No of cylinder | Minimum 6 | |
| | h. Power | 160 HP (Minimum) rated RPM to be mentioned | |
| | j. Torque with rpm | To be mentioned | |
| | k. Piston displacement | To be mentioned | |
| | l. Compression ratio | To be mentioned | |
| | m. Fuel | Diesel | |
| | n. Cooling system type | Water Cooled | |
| | p. Bore & Stroke | To be mentioned | |
| | q. Type of fuel injection pump | To be mentioned | |
| | r. Air cleaner type | To be mentioned | |
| | s. Water Resistant Engine | To be provided | |
| | t. Engine life before 1 st overhauling (In mileage and hour) | To be mentioned | |
| | u. Engine test bench Report and certificate | Engine Test Bench Report which was prepared by manufacturer during production of engine at manufacturing factory must be produced and submitted to the PSI team for each model. Other engines (mentioning engine number) of the same model must be certified confirming the engine Test Bench Report by the manufacturer (duly signed and stamped) | |

| Ser | Description | Specification Required | To be filled up by the Manufacturer/Principal |
|-----|---|---|---|
| 13. | Speed | | |
| | a. Highway (Maximum speed) | To be mentioned | |
| | b. X-Country (max) | To be mentioned | |
| 14. | Transmission system: | | |
| | a. Make, Type and Model | Manual (Make and Model to be mentioned) | |
| | b. No of Gear | Minimum 4 forward & 1 Reverse | |
| | c. Gear ratio | To be mentioned | |
| | d. Country of Origin | Gp A | |
| | e. Country of manufacture | | |
| | f. Country of assembly | | |
| 15. | Transfer Cases | 2 Speed (minimum) | |
| | a. Make and Model | To be mentioned | |
| | b. Country of Origin | Gp A | |
| | c. Country of manufacture | | |
| 16. | Clutch Type & Model | To be mentioned | |
| 17. | Suspension : | | |
| | a. Front | To be mentioned | |
| | b. Rear | To be mentioned | |
| | c. Road Spring | Leaf Spring with telescopic shock absorber at front and rear | |
| | d. Shock Absorber | To be provided at front and rear | |
| | e. Stabilizing System | At rear to be provided | |
| 18. | Axle Load | | |
| | a. Front Axle Load | To be mentioned | |
| | b. Rear Axle Load | To be mentioned | |
| | c. Make | To be mentioned | |
| | d. Country of origin | Gp A | |
| | e. Country of manufacturer | | |
| 19. | Axle type : | | |
| | a. Front axle type | To be mentioned | |
| | b. Rear axle type | To be mentioned | |
| 20. | Brake : | | |
| | a. Service brake | Air controlled/Air over hydraulic dual circuit/Power assisted | |
| | b. Parking brake | Mechanical/Power assisted | |
| | c. Trailer brake | Provision for two line trailer air brake coupling (NATO Standard) | |
| | d. Emergency brake | To be mentioned (if any) | |
| | e. Auxiliary brake | To be mentioned (if any) | |
| 21. | Electrical system : | | |
| | a. System | 24 Volt | |
| | b. Battery | 2 x 12Volt, AH to be mentioned | |
| | c. Alternator | 24Volt, Amp to be mentioned | |
| | d. Starter Motor | 24Volt KW to be mentioned | |
| 22. | Wheels : | | |
| | a. Tyre type | Radial Tyre Tube type | |
| | b. Tyre size | To be mentioned | |
| | c. Total No of Tyre | To be mentioned | |
| | d. Brand | Michelin/ Bridgestone/ Dunlop/ Goodyear / Yokohama/ Toyo/ Uniroyal/ Continental/ Folda/ Firestone/Armstrong/AMTEL | |
| | e. No of ply | To be mentioned | |
| | f. Tyre Tread pattern | ND, GG, CC | |
| | g. Country of origin | USA/Japan/ EU countries/ Russia/Brazil / Indonesia/ Malaysia/ Philippines / Singapore/ Thailand | |
| | h. Rim Size | 20" and type /Characteristic of wheel/rim to be mentioned. | |
| 23. | Steering | Power Steering | |
| 24. | Chassis Frame | | |
| | a. Length | To be mentioned | |
| | b. Type | To be mentioned | |
| | c. Country of Origin | Gp A | |
| | d. Country of Manufacturer | | |
| | e. Country of Assembly | | |
| | f. Chassis frame resistance to bending moment (RBM) | The truck chassis must be capable to carry offered payload. The chassis will not be cracked / fractured, and no other defects will arise up to 10 years. (Chassis manufacturers certificate to be provided with detail calculation) | |
| | g. Width | To be mentioned | |
| | h. Chassis thickness | To be mentioned | |
| | i. Chassis frame | To be mentioned | |
| 25. | Cabin : | | |
| | a. Type | Re-enforced structure, hard top insulated | |
| | b. Material | To be mentioned | |
| | c. Observatory hatch | To be available, details to be mentioned | |
| 26. | Rear body dimension: | | |
| | a. Length | To be mentioned | |
| | b. Width | To be mentioned | |
| | c. Height | To be mentioned | |
| 27. | Standard Accessories : | | |
| | a. Differential lock/ limited slip differential/Non Spin differential | To be available at both front & rear | |

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| Ser | Description | Specification Required | To be filled up by the Manufacturer/Principal |
|-----|---|---|---|
| | b. Self-Recovery | Mechanical/ Hydraulic winch at front having 5 ton capacity for self-recovery for 10% of the vehicle (Brand, origin, capacity, length and dia or rope to be mentioned) | |
| | c. Towing Attachment | Towing attachment including 12 pin electric connector NATO Standard for trailer, Rotating type pintle hook at height of 2' 10" | |
| | d. Black out light | (1) 02 X Black out indicator and side light NATO Standard at front RH& LH (2) 02 X Black out comb (stop and side) light NATO Standard at rear RH & LH. (3) 01 X Black out convoy light at rear. (4) 01 X Black out driving light NATO Standard at front RH. | |
| | e. Tool box and Jerrican | 01 X tool box and double jerrican carrier to be provided below the load body with external lockers | |
| | f. Spare wheel & tyre hanger | 01 X spare wheel with lifting and hanging facilities to be provided. | |
| | g. Towing hook capacity | Minimum 3 Ton | |
| | h. Pintle hook | Rotating type (NATO Standard) 5 ton capacity (Minimum) | |
| 28. | Ergonomics | The driver's cabin, arrangement of the seat, controls and instrument panels should be so arranged that an average army driver does not feel fatigued in driving at the vehicle on long routes. The seats should be adjustable to achieve comfortable driving position. The temperature inside the cabin should be maintained at a comfortable level by the means of adequate circulation of fresh cool & hot air. | |
| 29. | Emission level | Should be as per manufacturer's country standard. Standard to be mentioned | |
| 30. | Daily Endurance | 480 km/day (Nonstop) | |
| 31. | a. Maintainability of the vehicle should be able to be easily maintained by the existing Bangladesh Army drivers. | To be confirmed by supplier and manufacturer | |
| | b. All spares to be easily available in Bangladesh. Local agent should have their own facilities/store house to stock and hold complete & expendable stores in Bangladesh so that they may be supplied instantly on demand by Bangladesh Army. Such spares should be supplied to Army so long the vehicles are in service in Bangladesh Army. | To be confirmed by supplier and manufacturer | |
| 32. | Stowage Accessories | | |
| | a. Tyre inflater | Tyre inflater complete with required high pressure hose, adaptor, pressure gauge & nozzle (from the main air compressor to all wheels) | |
| | b. Window glass | Fixed type window glass to be provided at rear of cab for visual communication with troops on load body. | |
| | c. Wind screen washer unit | Front windshield glass washer to be equipped. | |
| | d. 02 X Sun visor | To be provided | |
| | e. 02 X Rear view mirrors with minimum one down view mirrors opposite to driver's side. | To be provided | |
| | f. 01 X Rear view mirror inside the cabin. | To be provided | |
| | g. Canopy for load body | To be provided | |
| | h. Drivers & Co-drivers Seat belts. | To be provided | |
| | j. Rifle clips inside the cabin for placing two rifles. | To be Provided | |
| | k. Attachment points/hooks. | Attachment points/hooks for load restraint straps and chain for securing ammunition boxes and conventional loads to be provided | |
| | l. Reverse light along with head light, tail light, side light, indicator light, cabin light, all dash board indicator, KM metre with stabilizer, warning light and control (for fuel, temperature, water, oil, air brake, indicator etc.) as required, protection guard for all outside light. | To be provided | |
| | m. Fog head lights at front for driving foggy weather | To be provided | |
| | n. Air Cooler, Heater & defroster | To be mentioned | |
| | p. Towing hooks in front | 02x Towing hooks in front for tying recovery chain/ropes for recovery (Capacity to be mentioned). | |
| | q. Fire Extinguisher, Attachment, Capacity | Fire extinguisher A,B,C,E type 3 kg complete with chemical and fixing bracket to be provided | |
| | r. Tying hooks for canopy /ropes | To be provided | |
| | s. Hydraulic Jack with handle 10 ton capacity. | To be provided | |
| | t. Inspection lamp | Inspection lamp complete with 10 meters cable, plug and socket in the vehicle | |
| | u. Standard maintenance tools set original to be provided for each vehicle as under: | Provided | |
| | 1. Tool Bag | 01 No | |
| | 2. Pump assembly grease with nozzle | 01 No | |

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| Ser | Description | Specification Required | To be filled up by the Manufacturer/Principal |
|-----|---|---|---|
| | 3. Spare tyre handle | 01 No | |
| | 4. wheel wrench with handle | 01 No | |
| | 5. Hammer | 01 No | |
| | 6. Spanner | No and size to be mentioned | |
| | 7. Pliers | Size to be mentioned | |
| | 8. Adjustable wrench | Size to be mentioned | |
| | 9. Screw Drivers | No and type to be mentioned | |
| | 10. Floor mat for cabin (for left & right side) | 02 No | |
| | 11. Cigarette lighter | 01 No | |
| | 12. Pad Lock if any size for fuel tank (Locally provided) | To be provided | |
| | 13. Tyre pressure gauge | 01 No | |
| | 14. Tyre inflation hose with adaptor and nozzle | Tyre inflation hose 15 M (min) with adaptor and nozzle :1 Set | |
| | v. Windshield Glass | Laminated type to be provided | |
| 33. | Publication : | | |
| | (a) Owner's/Operators Manual English (Book type) | 01 copy each vehicle & 04x additional (in original) to be provided | |
| | (b) Workshop/Repair Manual in English (Book type) | To be decided by EME Dte 1 x Copy for evaluation | |
| | (c) 100% updated masters spare parts Catalogue in English (book type) | To be decided by EME Dte 1 Copy for evaluation | |
| | (e) Updated spare parts price list in English (Book type) showing 100% spares | To be decided by EME Dte 1 Copy for evaluation | |
| 34. | Colour : | | |
| | a. Vehicle | Combat colour (Non-Shining) | |
| | b. Canopy | Combat colour (Non -Shining) | |
| 35. | Model Validity | Min 10 years | |
| 36. | Fast and Slow moving spare parts availability | Min 15 years | |
| 37. | Training | To be mentioned | |
| 38. | A list of 10% (Fast and slow moving) spares | The list should be covered with maintenance, repair Kit and fit man item only. | |
| 39. | Repair, maintenance and after sale svc support from local firm | Level of repair facilities available like field repair, overhauling to be mentioned in detail | |
| 40. | Brochures/Catalogues(In original) | To be provided | |
| 41. | List of standard service tools (SST) | List to be provided | |
| 42. | Standard service material(SSM) | List to be provided | |
| 43. | Authorization certificate in favour of local agent by principal | To be provided | |
| 44. | Authorization certificate in favour principal by manufacturer | To be provided | |
| 45. | Inspections | | |
| | a. Stage inspection | Name of places/location (factory/plants etc) for stage inspection of major components to be mentioned | |
| | b. Pre-shipment inspection (PSI) | Address to be mentioned | |

Note: Following information's/documents to be submitted along with the offer:

| |
|---|
| a. Details of working principle |
| b. After sales service details to be mentioned |
| c. Approximate FOB price |
| d. Arrangement with the firm for training and PSI of person for operation and maintenance (Country to be mentioned) |
| e. Same Local Agent representing more than one model in the same category will not be approved for standardization |
| f. Any other relevant technical information may also be enclosed |