

ANNEXURE B TO
 DGDP CONTRACT NO.
 214.1282.20
 DATED 29 JUNE 2021

TECHNICAL SPECIFICATION OF CRANE (MEDIUM) (LIFTING CAPACITY 20 TON TO SMALLER THAN 50 TON) MAKE: URETIMPARK, MODEL: HB90T3RT, TURKEY COMPLETE WITH STANDARD TOOLS AND ACCESSORIES

| Ser | Description | Specification Specified |
|-----|--|--|
| 1 | Name of the Equipment | Crane (Medium) (Lifting capacity 20 Ton to smaller than 50 Ton) |
| 2 | Name and Complete Address of Local Agent | M/S AB International, Chayabithi Ba-1177/1, Level-06, South Badda, Gulshan, Dhaka-1212, Bangladesh |
| 3 | Name and Complete Address of Manufacturer | |
| 4 | Name and Complete Address of Principal | AL BAYAN GENERAL TRADING LLC Ahmed Bin Majid Street Steet, Al-Mairid, Ras A1 Khairmah, P.O. Box 645, UAE. |
| 5 | Make and Model | Make: [REDACTED] Model: [REDACTED] |
| 6 | Type | Rough Terrain |
| 7 | Country of Origin | Turkey |
| 8 | Country of Assembly | Turkey |
| 9 | Country of Manufacturer | Turkey |
| 10 | Year of Production | Not before the year of contract |
| 11 | Overall Dimension | |
| | a. Overall Length | 11350 mm |
| | b. Overall Width | 2600 mm |
| | c. Overall Height | 3700 mm |
| 12 | Lifting capacity with working radius | 25 t @ 3 m working radius |
| 13 | Maximum lifting height (Meters) | 32 m with telescopic boom, 42 m with jib boom |
| 14 | Grade ability | 25° |
| 15 | Turning radius | Max 8 m |
| 16 | Ground clearance | 300 mm |
| 17 | Weight of Crane without vehicle | 12 Ton without vehicle |
| 18 | Crane Specification | |
| | a. Boom type | Telescopic box type boom |
| | b. Boom country of origin, manufacturer and assembly | Turkey |
| | c. Number of section of boom | 1 fix + 3 telescopic (4 section) |
| | d. Fly Jib length | 8 m + 6 m = 14 m |
| | e. Boom derricking angle | 0-82° |
| | f. Boom extending time | 75 second |
| | g. Boom length retracted | 9.5 m |
| | h. Boom length fully extended | 32 m |
| | i. Lifting speed with full load | 16 m/min |
| | Outriggers | |
| | (1) Type | Hydraulic telescopic with control and crane level indicator located in cab |
| | (2) Number | 04 (Four) |
| | (3) Extended width | Maximum: 6300 mm Minimum: 2600 mm |
| | (4) Float size diameter | 400 mm |



FOR OFFICIAL USE ONLY

| Ser | Description | Specification Specified |
|-----|----------------------------------|--|
| l. | Hook Capacity. | |
| | (1) Main | 25 ton |
| | (2) Auxiliary | 5 ton |
| m. | Hoisting Line Speed. | |
| | (1) Main winch | 135 m/min |
| | (2) Auxiliary winch | 135 m/min |
| n. | Boom swing/rotation angle | 360° |
| p. | Boom steering speed | 3 rpm |
| q. | Wire Rope for Hoisting. | |
| | (1) Main Winch. | |
| | (a) Type | Hydraulic motor drive planetary gear box |
| | (b) Dia | 16 mm |
| | (c) Length | 150 m |
| | (2) Auxiliary Winch. | |
| | (a) Type | Hydraulic motor drive planetary gear box |
| | (b) Dia | 16 mm |
| | (c) Length | 120 m |
| r. | Hydraulic cooling system | Hydraulic oil cooling system |
| s. | Oil Pump | Variable Displacement type pump 320 l/min |
| t. | Hoisting Motor | Hydraulic axial piston type |
| u. | Slewing Motor | Hydraulic axial piston type |
| v. | Oil reservoir capacity | 420 Liters/ |
| w. | Pulling system | Hydraulic motor works with planetary gear box. Controlled independently by respective operating lever. |
| x. | Maximum Pulling Capacity. | |
| | (1) Main | 5000 kg single layer |
| | (2) Auxiliary | 5000 kg single layer |
| y. | Cab System. | |
| | Operator cabin | All steel fabricated with acoustical lining and tinted safety glass throughout. Deluxe seat incorporates armrest-mounted electric dual-axis controllers. Dash panel incorporates gauges for all engine functions. Till steering wheel, cab circulating air fan, air condition, sliding side and rear windows, sliding skylight with electric wiper and sunscreen, electric windshield wash/wipe. |
| z. | Safety device | Voice alarm Slewing stop system Outrigger detector Boom load holding valve system Over hoist prevent system Automatic brake all planetary system Slewing lock Hydraulic oil temp warning |

FOR OFFICIAL USE ONLY

| Ser | Description | Specification Specified |
|-----|---|--|
| 19. | Truck. | |
| | a. Make and Model | |
| | b. Country of origin | Turkey |
| | c. Country of manufacturer | Turkey |
| | d. Country of assembly | Turkey / |
| | e. Year of production | Not before the year of contract |
| | f. Drive | 4x4 RHD |
| | g. Overall dimension (LxHxW) in mm | 11350 mm x 3700 mm x 2600 mm |
| | h. Wheel base in mm | 3600 mm |
| | j. Wheel tread front and rear | Front: 2250 mm Rear: 2250 mm |
| | k. Rear axle load in kg | 12500 kg |
| | l. Front axle load in kg | 12500 kg |
| | m. Vehicle kerb weight | 25000 kg |
| | n. Gross vehicle weight | 25000 kg |
| | p. Engine Specification. | |
| | (1) Make and Model | Make: Cummins Model: Cummins QSB 6.7 |
| | (2) Type | 06 cylinder, water cooled |
| | (3) Country of origin | USA |
| | (4) Country of manufacturer | USA |
| | (5) Country of assembly | USA |
| | (6) Year of production | Not before the year of contract |
| | (7) Rated HP with rpm to be mentioned | 130 kW @ 2500 rpm |
| | (8) Maximum torque with rpm to be mentioned | 732 Nm @ 1500 rpm |
| | (9) Number of cylinder | 6 Cylinder |
| | (10) Bore and stroke in mm | 118 mm x115 mm |
| | (11) Type of Fuel | Diesel |
| | (12) Cooling system | Water Cooled |
| | (13) Piston displacement | 8 L |
| | (14) Engine test bench report and certificate | During Inspection Engine Test Bench Report (for each model) which was prepared by manufacturer during production of engine at factory premises must be produced and submitted to the team (duly signed and stamped by the manufacturer). 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). |
| | q. Clutch. | |
| | (1) For Truck | Multi plate Wet clutch |
| | (2) For Crane | Multi plate Wet clutch |
| | r. Transmission (No of Gear/Type). | |
| | (1) Make and Model | Make: Omsi Model: C152 |
| | (2) Country origin, manufacture and assembly | Italy |

| Ser | Description | Specification Specified |
|-----------|---|---|
| | (3) Year of production | Not before the year of contract |
| | (4) No of Gear/Type | 4 front and 1 rear remote mounted full automatic High/Low selected hydraulic type |
| s. | <u>Speed.</u> | |
| | (1) Minimum on cross country (km/h) | 12 km/h |
| | (2) Traveling speed (km/h) on road | 36 km/h |
| | (3) Mobility at different terrain condition | Confirm mobility on loose soil, mud, construction sites, rivers the rough terrain condition |
| t. | <u>Axles.</u> | |
| | (1) Type of axle | Rigid |
| | (2) Make and model | Make: Omsi Model: Ax472.75 |
| | (3) Country of origin and manufacture | Italy |
| | (4) Year of production | Not before the year of contract |
| | (5) Front | Rigid and steering drive axle with input reducer |
| | (6) Rear | Rigid and steering drive axle with input reducer |
| | (7) Different locks | Mounted |
| u. | Steering system | Hydraulic power steering |
| v. | <u>Suspension.</u> | |
| | (1) Front | Front: Oscillation hydraulic cylinder system |
| | (2) Rear | Rear: Oscillation hydraulic cylinder system |
| w. | <u>Hydraulic System (Pump).</u> | |
| | (1) Country of origin, manufacture and assembly | Germany |
| | (2) Year of production | Not before the year of contract |
| x. | <u>Brake System.</u> | |
| | (1) Service brake | Hydraulic pneumatic |
| | (2) Parking brake | Hydraulic pneumatic |
| | (3) Auxiliary brake | Hydraulic pneumatic |
| y. | <u>Electrical System.</u> | |
| | (1) Volt | 24 Volt |
| | (2) Battery (Volt and Ah) | 2 x 12Volt and 120 AH |
| | (3) Alternator (Volt and Amp) | 24 Volt and 50 Amp |
| | (4) Starter (Volt and Kw) | 24 Volt and 5 Kw |
| z. | <u>Tyre Size.</u> | |
| | (1) No of tyre | 4 nos |
| | (2) Size and Ply rating | 20.5 x 25-24 bias ply |
| | (3) Tyre brand | Goodyear |
| | (4) Tyre country of origin and manufacture | USA / |
| | (5) Type of Pattern | Non-directional, Ground Grip/ Cross country |
| | (6) Rim Size | 17 inches |

FOR OFFICIAL USE ONLY

| Ser | Description | Specification Specified |
|-----|---|---|
| 20. | Fuel tank capacity | 300 L |
| 21. | All lights and gauges include head light, Tail, Stop, Indicator, Work, Backup and other standard accessories to be provided | All lights and gauges include head light, Tail, Stop, Indicator, Work, Backup and other standard accessories to be provided |
| 22. | Colour | Qty 11 Nos: Duco Paint (Nitro Cellulose Based MB Green). Qty 05 Nos: Duco Paint (Nitro Cellulose Based White with UN writing in black). |
| 23. | Standard Tools. | |
| | a. Tools for crane | For Crane and Truck Portion 1. Spanner – 01 Set 2. Screw – 01 Set 3. Hammer- 01 Set 4. Handle- 01 Set 5. Gauge – 01 Set 6. Pipe – 01 Set |
| | b. Tools for engine | |
| | c. Standard accessories | 1. Adjustable seat 2. Seat belt 3. Rear view mirror |
| 24. | Petrol Oil Lubricant (POL) Information. | |
| | a. Detail maintenance schedule of Equipment and Engine | Petrol Oil Lubricant to be mentioned |
| | b. Grade of diesel used in Equipment | ASTM D-975 Grade 2-D/1-D |
| | c. Type of Engine Oil used in Equipment | CD SAE 10W-30 |
| | d. Type of gear Oil used in Equipment | SAE 90 GL-4/GL-5 |
| 25. | Optional items (if any) | Not required |
| 26. | Operational Temperature | -5°C to +55°C |
| 27. | Maintenance | As per maintenance manual. Manual to be provided with the crane |
| 28. | Any other | 06x sets of lifting sling with capacity 5 ton for each unit |
| 29. | Location of Stage Inspection/Pre-Shipment Inspection | |
| 30. | Details of working principle. | As per manufacturer's operational manual |

CONTACT POINT:

Mossaddique Ahsan

Representative in Turkey

M/S AB International

+90 538 265 6238 (Call: TRT Office Hours)

+1 (347) 897-8001 (WhatsApp)

joheb@beyonditl.com.tr