

**TECHNICAL SPECIFICATIONS OF TRACTOR AIRCRAFT TOWING WITH TOOLS AND ACCESSORIES FOR UN EMP (DP-5)**

Ser No	Description	Specification Specified	To be filled up by the Manufacturer/ Principal.
1	<b>Nomenclature</b>	<b>Tractor Aircraft Towing</b>	
2	Name & address of manufacturer	To be mentioned	
3	Name & address of principal	To be mentioned	
4	Name & address of Local Agent	To be mentioned	
5	Make/Brand and Model	To be mentioned	
6	<b>a. Country of Origin</b>	<b>Group A Country</b>	
7	<b>b. Country of assembly</b>		
8	<b>c. Country of manufacturer</b>		
9	d. Year of manufacture/ Production	Not before the year of contract.	
10	Chassis Frame.		
	a. Brand/Make	To be mentioned	
	b. Model	To be mentioned	
	c. Country of Origin	Group A Countries	
	d. Country of manufacture	Group A Countries	
	e. Dimension(LxWxH)	To be mentioned	
	f. Thickness	To be mentioned	
	g. Year of manufacture/ Production	Not before the year of contract.	
11	Assembling country of complete veh	Group A Country	
12	Overall Dimensions.		
	a. Overall length	Min 3000mm-Max 7500mm	
	b. Overall width	Min 1400mm-Max 3000mm	
	c. Overall height	Min 1300mm-Max 1750mm	
13	Weight.		
	a. GVW	To be mentioned	
	b. Towed load	To be mentioned	
	c. Draw bar pull capacity	3 Ton to 7 Ton	
	d. GCW (Gross combination Wight)	To be mentioned	
14	Wheel base	To be mentioned	
15	Gradeability	To be mentioned	
16	a. Angle of approach	To be mentioned	
17	b. Angle of departure	To be mentioned	
18	Track Dimension.		
	a. Front Track/Tread	To be mentioned	
	b. Rear Track/Tread	To be mentioned	
19	Ground clearance	To be mentioned	
20	Turning radius	3000 - 6500 mm(min)	
21	Engine.		
	a. Brand/Make	To be mentioned	
	b. Model	To be mentioned	
	c. Fuel Type	Diesel	
	d. Country of origin	Group A	
	e. Power to wt ratio	To be mentioned	
	f. Torque with rated rpm	To be mentioned	
	g. No of cylinder	To be mentioned	
	h. Displacement	To be mentioned	
	j. Engine power with rated rpm	To be mentioned	
	k. Bore & Stroke	To be mentioned	
	l. Cooling System	Water cooled	
	m. Starting system	Electrical starter motor	
	n. Type	To be mentioned	
	p. Year of production	Not before the year of Contract	
	q. Country of Manufacture	Group A Countries	
	r. Country of assembly		



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	s. Fuel injection pump	Details to be mentioned	
	t. Engine life before first overhaul	To be mentioned	
	u. Engine test bench certificate	Engine test bench report which was prepared by manufacturer during production 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)	
22	<u>Cabin.</u>	Air conditioned (Optional). If air condition is not available, provisions for cabin fans should be present.	
	a. Type of cabin	To be mentioned	
	b. Details of cabin	To be mentioned	
	c. Cabin environment	Open/Closed	
23	<u>Electric System.</u>		
	a. Voltage	12 /24 Volt	
	b. Alternator (Volt and amp)	12/24 Volt, amp hour to be mentioned	
	c. Starter (Volt and kw)	To be mentioned	
24	Fuel tank capacity	To be mentioned	
25	Clutch detail	To be mentioned	
26	<u>Transmission.</u>		
	a. Type	To be mentioned	
	b. Make and Model	To be mentioned	
	c. Country of Origin		
	d. Country of manufacture	Group A countries	
	e. Country of assembly		
	f. No of gear	To be mentioned	
	g. Gear ratio	To be mentioned	
27	<u>Axle</u>		
	a. Type (Front/Rear)	To be mentioned	
	b. Brand/Make	To be mentioned	
	c. Capacity (Front/Rear)	To be mentioned	
	d. Country of origin		
	e. Country of manufacture	Group A Countries	
28	<u>Transfer case (if aval).</u>		
	a. Made and Model	To be mentioned	
	b. Country of Origin	Group A Countries	
	c. Country of manufacture		
	d. Country of assembly		
29	Differential lock (if applicale)	To be mentioned	
30	<u>Drive.</u>		
	a. Drive Steering	RHD/LHD	
	b. Drive configuration	4x4/4x2	
31	<u>Speed.</u>		
	a. Forward	To be mentioned	
	b. Reverse	To be mentioned	
32	Seating capacity	02 person including driver	
33	Steering system	Power assisted	
34	Mirror	Driver rear view mirror on right & left. Mirror should be available for towing points at front and rear.	
35	Type of aircraft to be towed	Cessna Grand Caravan 208B, CASA C-295W, Airbus Dauphin AS365N3+, MI-171 SH	



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36	Windshield and other glasses	Windshield glass- laminated. Other Glasses-As per manufacturer's Standard. Provision for sun visor/ sunlight protection should be available.	
37	Brake system details.		
	a. Type	Fuel Hydraulic	
	b. Service brake	To be Mentioned	
	c. Parking brake system	To be Mentioned	
38	Lights & Horn	02 Head lights, low beam tail light & yellow rotating beacon	
39	Body	All steel body with hard top driver's cabin with visible canvas/window glass at both side and rear for protection of rain.	
40	Metallurgical treatment	Anti corrosive treatment is to be given on the body, radiator, water pumps and parts susceptible to corrosion.	
41	Floor	Rubber material on drivers cab floor/ Antiskid materials in driver cabin.	
42	Special fittings	a. Different level towing hook for locking towing bar of the aircraft and helicopter mentioned in technical specification 35 to be provided. Driver should be able to release the tow bar from the driving seat. b. Red light with rotating beacon/ amber flashing beacon light and brake light with back gear buzzer.	
43	Meter/gauges	a. Speedometer Graduation in kilometer per hour. b. Odometer Graduated in kilometer. c. Fuel Gauge graduation in Liter/Gallon.	
44	Tyre & wheel details.		
	a. Front Wheel Size	To be mentioned	
	b. Rear Wheel Size	To be mentioned	
	c. Tyre brand	Bridgeton/Dunlop/Goodyear/ Yokohama/ Uniroyal/Continental/Michelin/Toyo/ Folda/Firestone/Armstrong/AMTEL/ OEM Brand	
	d. Country of origin	USA, Japan, EU Countries, Russia, Brazil, Indonesia, Malaysia, Philippines, Singapore, Thailand and South Korea/ OEM Country.	
	e. Tyre pattern	To be Mentioned	
	f. Spare Wheel	If the size of front & rear wheel is same, then 01x spare wheel with tyre and tube is to be provided for each vehicle, if not then 01x front & 01 x rear spare wheel with tyre and tube are to be provided with each veh within the quoted cost.	
45	Rim size	To be Mentioned	
46	Colour	To be painted with gloss yellow colour from the manufacturer factory.	
47	Tools	Standard set of tools to be mentioned. Following tools are to be provided for each vehicle: a. Adjustable Spanner 12" Ea-01 b. Screw driver flat and star EA-02 (Size to be mentioned). c. Pliers side cutting Ea-01 (Length to be mentioned). d. Combination set (Size 8"- 32") set 01. e. Hammer 1 lbs Ea-01 f. Tyre pressure gauge Ea-01 (Capacity to be mentioned) g. A tools box for above mentioned tools.	0



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48	Fire Extinguisher	One fire extinguisher A B C & E Dry powder type, 3 kg is to be provided for each vehicle.	
49	5% Spare parts list, SST, SSM and Local Training	As per requirement by AHQ, MGO's Branch (EME Dte) (Supplier should offer 5% fast moving spare parts).	
50	Model validity	Minimum 10 years	
51	Spare parts availability	To be available for 15 years	
52	List of fast and slow moving spare parts	To be mentioned	
53	After sales service	Details to be mentioned	
54	ISO certificate of similar rating	To be mentioned	
55	Authorized certificate of manufacturer in favour of local Agent.	To be provided	
56	Authorized certificate of manufacturer in favour of Principal	To be provided	
57	Catalogue/ Brochure to be submitted by the manufacturer with seal and signed.	To be mentioned	
58	<u>Publication:</u>	To be provided as per requirement.	
59	POL		
	a. Type of diesel to be used in Bangladesh	Information to be submitted as per requirement. The POL must be compatible with the POL available in Bangladesh.	
	b. Type of engine oil to be used in Bangladesh		
	c. Type of gear oil to be used in Bangladesh		

