

**GENERAL SPECIFICATION OF SELF PROPELLED CARGO LOADER FOR UN MSN
DP-5**

Ser No	Description	Specification Specified	To be filled up by the Manufacturer/ Principal.
PART-1 : GENERAL SPECIFICATION			
1.	Make and Model of Cargo Loader	To be mentioned	
2.	Country of Origin	Group-A and Group-B	
3.	Country of Manufacture	Group-A and Group-B	
4.	Country of Assembly	Group-A and Group-B	
5.	Year of Manufacture	Not earlier than year of contract	
6.	Name of Principal with Complete Address (Office address, Telephone, Fax, Email and Web address)	Details to be mentioned	
7.	Name of Manufacturer with Complete Address (Office address, Telephone, Fax, Email and Web address)	Details to be mentioned	
8.	Name of Local Agent with Complete Address (Office address, Telephone, Fax, Email and webaddress)	Details to be mentioned	
9.	General Function and Operational Capabilities	<p>a. The Cargo Loader should be capable of operating during day and night under all-weather condition.</p> <p>b. The Cargo Loader should be self propelled.</p> <p>c. The Cargo Loader should have elevating system of cargo.</p> <p>d. The main function is transporting and loading/unloading military pallets (108" x 88") and Unit Load Device (preferable) to aircraft.</p>	
PART-2 : TECHNICAL SPECIFICATION			
10..	General Description	Must have all weather day and night capability of transporting and loading/unloading military pallets (108" x 88") to aircraft.	
11.	Operating Terrain	Operation on same landing/take off terrain of DS C-295 aircraft.	
12.	Certification of the Cargo Loader	To be ICAO/FAA/EASA certified/ approved and certified by manufacturer of Airbus DS C-295W. (Details to be mentioned) (Certificate to be provided)	
13.	Cargo Loader Dimension (Overall Span, length and height)	Details to be mentioned	



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14.	Cargo Capacity		
	a. Loading Capacity	Maximum loading capacity should be within 2000 to 5000 kg (Details to be mentioned)	
	b. Rollers	Should be capable to transfers pallets lengthways and sideways	
	c. Walkways	Should have anti-slip walkaways for operators	
	d. Anchor System	Complete anchor system for air transportation purposes in C-295W aircraft.	
15.	Weight and structure		
	a. Weight	Within the weight carrying range of CASA C295W Ramp (maximum 850 kg)	
	b. Structure	Preferably made of Aluminum to make it ultra-light for air transportability and this coupled with an even distribution of loads and carefully studied centre of gravity allows the loader to be safely and securely stored on the cargo hold ramp	
	c. Chassis	Preferably made from an aluminium alloy structure forming a robust construction	
	d. Platform Construction	The platform should be consists of an aluminium alloy structure forming a resistant construction, engineered to withstand static and dynamic loads, as well as specific air transportability demands when the vehicle is anchored to the aircraft ramp	
	e. Transfer deck	Transfer deck should be formed by omnidirectional roller wheels with high resistant aluminium alloy structure, allowing the movement of loads both forward, aft and sideway	
	f. Load guides	Load guides should allow operations with the different pallet widths (108" sideways and lengthways)	
16.	Vehicle Speed and Lifting Characteristics		
	a. Vehicle speed	To be mentioned	
	b. Maximum Operating height	Maximum operating height: 1.500 mm	
	c. Minimum operating height	Minimum operating height 500 mm	
	d. Overall max width	Overall max width (for operation) 2.350 mm	
	e. Maximum transport Width	Maximum transport Width (for air-transport) 2.135 mm	
	f. Landing Ground Roll	The elevating system should guarantee parallel lifting during raising/lowering operations	
	e. Elevating speed	Elevating speed minimum 3 cm/sec	



17.	Propulsion and Other Performance		
	a. Power source	The vehicle should be diesel/ battery powered. Details in respect of Displacement, Horsepower, Torque, Grade of engine oil and transmission system to be mentioned.	
	b. Speed Control	Preferably have electronic-hydraulic proportional vehicle speed control, variable between and the maximum speed	
	c. Emergency pump	Manual emergency pump	
	d. Electric installation	Electric installation 12/ 24 V. DC.	
	e. Battery	Sealed gel battery, suitable for air-transportation (Details to be mentioned)	
	f. Anchor System	Complete anchor system for air-transportation purposes.	
	g. Braking system	Double braking system: Automatic hydrostatic brake; Parking brake: Automatic due to lack of pressure.	
	h. Tyres	Four pneumatic tyres, (Size to be mentioned)	
	j. Colour	White with UN Writing	
18.	Warranty	Details to be mentioned	
19.	Standard Maintenance Tools and Accessories	List of standard maintenance tools and accessories with country of origin as per manufacture's standard to be provided along with the offer	
20.	Optional Maintenance Tools and Accessories	List of optional maintenance tools and accessories with country of origin as per manufacture's standard to be provided along with the offer	
21.	Publications	Under mentioned manuals/ catalogues are to be provided with each aircraft: a. Operating Manual (in English). b. Latest Maintenance Manual (in English). c. Spare parts Catalogue including price list (in English)	
PART-3 : TRAINING REQUIREMENT			
22.	Operators' / Loadmasters' Training	To be provided	
23.	Repair and Maintenance Training	To be provided	
24.	Inventory Management Training	To be provided	
PART-4 : REPAIR AND MAINTENANCE REQUIREMENT LESS LIST OF SPARES			



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25.	Level of Repair	Details to be mentioned	
26.	Manuals for Preventive Maintenance and Repair	Details to be mentioned	
27.	Provision of Repair, Maintenance and after Sales Service Support	Details to be mentioned including online maintenance support After sales support to be available with the local agent of the supplier and to be provided as and when required.	
PART-5 : LIST OF SPARES			
28.	List of Standard Spare Parts, Tools and Accessories	To be provided (As per requirement of Electrical and Mechanical Engineers Directorate).	
29.	List of consumable items	To be provided (As per requirement of Electrical and Mechanical Engineers Directorate).	
30.	List of 5 % Spare List (fast- and slow-moving item)	To be provided (As per requirement of Electrical and Mechanical Engineers Directorate).	
31.	Spare Parts availability	To be provided (As per requirement of Electrical and Mechanical Engineers Directorate).	
PART-6 : TOOL LIST FOR DIFFERENT LEVEL OF MAINTENANCE			
32.	Analyzing, Measuring, Testing/ Fault Finding and Diagnostic Set	To be provided (As per requirement of Electrical and Mechanical Engineers Directorate)	
33.	Special Service Materials (SSM)	To be provided (As per requirement of Electrical and Mechanical Engineers Directorate)	
PART-7 : FINANCIAL SPECIFICATION			
34.	Financial Specifications	a. Payment related options and issues is to be mentioned in detail. Price may be mentioned during tender submission.	

