

Munition Handling Trolley + Rocket Module

CAPABILITY SHEET · MHU-PATTERN MUNITIONS GSE · UNDER CONTRACT - IAF

THE PRODUCT

WHAT	Towed 6-ton munitions handling trolley (three axles, ten wheels, double-Ackermann steering) carrying a rocket transport module: 60 fully assembled rockets in foam-lined 3-4 in tubes behind latched, upward-hinged doors.
STATUS	Under contract for an Indian Air Force equipment depot via the Government e-Marketplace - design cleared, fabrication in progress under the buyer's inspection regime.
ROLE	Weapon storage area to flight line, paved and unpaved roads - the MHU-class munitions trailer pattern, engineered and manufactured in India.

REFERENCE CONFIGURATION

CHASSIS	Wagon type; payload 6,000-7,000 kg at $\geq 2:1$ yield factor of safety; tare $\leq 2,000$ kg; deck 15-16 ft x 7-9 ft (as designed 4572 x 2743 mm); CG ≤ 2 ft above ground; 20-year minimum service life.
RUNNING GEAR	Three axles, ten wheels; 9.00 x 10 Load Range E COTS tyres at 50+/-5 psi; six-wheel hydraulic service brakes; four-wheel hand-lever parking brake; 12/24 V lighting, standard tractor connectors.
STEERING	Double-Ackermann four-wheel coordinated steering, ≥ 45 deg inside-wheel lock; 9-9.5 ft wheelbase; lightweight towbar with internal surge prevention, ≤ 25 kg lift at the eye.
ROCKET MODULE	60 tubes, 3-4 in bore, foam inserts contoured per calibre; CWDE-compatible spacing; two upward-hinged doors with safety latches and hold-open stays; drip rail; forklift pockets; side tie-down rings.
RESTRAINT	Flush lift-up deck rings, $\geq 4,000$ kg on ~1 ft matrix; side rings $\geq 10,000$ kg; adjustable rails with quick-change weapon cradles; chains and straps in scope; lockable 6 x 2 x 2 ft under-deck cabinets front and rear.

BUILD & ASSURANCE

STRUCTURE	Minimum 2:1 factor of safety on yield at full payload; no parts to work loose in service; withstands shipping, storage and service jars and vibration.
ENVIRONMENT	Weatherproof against water, sand and dust; climate-stable protective coatings; designed for Government inspection regimes, with load and salt-spray testing capability (NABL-capable).
HUMAN FACTORS	Tube spacing sized for loading and unloading in full chemical-warfare defence equipment; doors stay open on devices during loading and latch positively for transport.

VARIANTS & ENGAGEMENT

VARIANTS	Practice-bomb transport module (40 stores, 3 kg / 25 lb classes, 75+ mm CWDE clearance, dual side doors); cradle-and-rail bomb/missile configurations; other tube counts and calibres; trailer-format running gear.
SCOPE	Trolley, module, cradle sets, hold-down chains and straps, specialist tools, documentation - configured clause-by-clause against the customer's specification.
ENGAGEMENT	Send your tender specification to sales@neometrixgroup.com - clause-by-clause compliance matrix and budgetary quotation within two working days. Export subject to GoI authorisation.

DEFENCE PROGRAMMES DESK

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Reference configuration reflects the trolley under contract against an Indian Air Force specification. All parameters re-scoped against the customer's specification at proposal stage.