

Detailed Specifications of Taaran (Safe Passage) Patient Transfer System

Item Code	TN-PTS
Name of item	Taaran (Safe Passage) Patient Transfer System
Category	Health Care Device /Medical Isolation at Point of Care
Device	2/3 Isolated Wheel Chair (MS)
Seat Size & Specification	18" X 18" w. Elastomeric C3I Gel Seat Overlay 24" X 20" X 6.5" (Length X Breadth X Height)
Isolation Material	Protective Air Shield (zippered curtain)
Material	MS Powder Coated
Technology	Synergistic Air Clean with SPACE Filters (UV-C + HEPA) Principle: "Capture, Contain and Neutralise" Airborne contamination
Energy Factor for SPACE (UV-C)	1000 mJ/cm ² (supports Shadow Suppressor Technology) for effective neutralization of bio-aerosols (microbial aerosols)
HEPA Filter	High capacity HEPA filter (99.99% filtration of 0.3µ)
Air Exchanges Per Hour (CDC & ICMR for isolation compliance)	>15 Air Exchanges/hr at 700 CFM of Air flow , Exceeds CDC ICMR guidelines of isolation of infectious patients
Ease of Operation	Single attendant can transport the patient
Hospital Environment Compatibility	Yes, prevents spread of infection from infected victim to attendant / surroundings while transfer Easily transport patients from room to room or between procedures
Contaminated Environment Compatibility	Yes, provided re-circulated clean air to contaminated victim providing safe access from contaminated environment/ polluted air.
Hand Brakes w. Safety Belt	Provided on Wheels w. Safety Belt on back support
Weight	50 Kg
Person Carrying Capacity	01 (morbid state/ old not able to walk on their own)
Resuscitation Mask	01 Piece provided with unit. Additional can be bought as it is an accessory item
Oxygen Cylinder	Optional Accessory - Standard Oxygen Cylinder of 10 L (medical grade) fits into unit with support time of 2.5 hrs
Quality Control Checklist	Provided by Manufacturer as per requirement furnished by DRDO
ON/ OFF System	Single Switch Operations
Power Back	1 KVA re-chargeable unit with single charge transfer time of 15-20 minutes.

Production Facility Certification	ISO 9001: 2015; ISO 13485: 2016; WHO: GMP and QCI Approved Manufacturing Facility
Operational Power Requirement	220 V, 50 Hz
Noise Level	Applicable for Long Term Usage in Hospital/ Industry
Acceptance Test Procedures	ATPs for Installation Assessment provided by Manufacturer (as mandatory requirement for ensuring right installation of product and usage)
Warranty Period	01 year applicable from Date of Delivery (T&C applied as per Manufacturing Warranty Agreement)
Post Installation National On-Site Support	Optional service to be activated by buyer as per their requirement (non-inclusive as part of unit being procured)
Critical Component Damage Insurance	Optional service to be activated by buyer as per their requirement (non-inclusive as part of unit being procured)
Minimum Order Quantity Clause	Not Admissible being DRDO Technology within Indian sub-continent
Logistics Insurance	Optional service to be activated by buyer as per their requirement (non-inclusive as part of unit being procured)
Applications	Emergency rooms, OPD clinics, Acute care inpatient area, portable field/make shift hospitals, triage area, immediate isolation/evacuation of patients, transport through crowded places (airport, railways), transport within the hospital (different departments) & emergency evacuation from contaminated zones