

INDUS HOSPITAL AND HEALTH NETWORK**COMMUNITY HEALTH DIRECTORATE****BILL OF QUANTITY - CONTAINERIZED CLINIC**

DATE: 19-08-2026

Item No	Description	Unit	Qty	Rate (PKR)	Amount (PKR)	Remarks
SECTION 1 — CONTAINER PROCUREMENT & MODIFICATION						
Procurement, supply, inspection, loading, transportation, unloading, handling, and delivery of one (2) complete 40 ft × 8 ft & (1) 20 ft × 8 ft ISO High Cube Shipping Container to the Contractor's fabrication workshop, including all labour, lifting equipment, transportation, documentation, permits (if applicable), and incidental works required for safe delivery, complete in all respects and in accordance with the Engineer/Consultant's instructions.						
1.1	Procurement and supply of one (1) ISO 668 Standard 40 ft High Cube (HC) Shipping Container, manufactured in 2015 or later, Wind & Watertight (WWT), fabricated from Corten Steel with valid CSC Plate, complete in all respects.	JOB	2		0.00	
1.2	Procurement and supply of one (1) ISO 668 Standard 20 ft High Cube (HC) Shipping Container, manufactured in 2015 or later, Wind & Watertight (WWT), fabricated from Corten Steel with valid CSC Plate, complete in all respects.	JOB	1		0.00	
1.3	Loading, transportation, unloading, and delivery of the 40 ft High Cube Shipping Container from the designated container yard to the Contractor's fabrication workshop, including all handling equipment, labour, and incidental costs, complete in all respects.	JOB	3		0.00	
Section 1 Total — CONTAINER PROCUREMENT & MODIFICATION					0.00	
SECTION 1.1 — Transportation & Installation – Shah Jamal, Punjab						
1.1.1	Transportation and Installation at Shah Jamal, Sindh, including loading, unloading, shifting, placement, assembly/installation, labor, tools and tackles, complete in all respects.	JOB	1		0.00	
Section 1 Total — Transportation & Installation – Shah Jamal, Punjab					0.00	
SECTION 2 — SURFACE PREPARATION & PROTECTIVE COATING						
Supply, prepare, protect and complete the corrosion protection system for all exposed and concealed Mild Steel (MS) structural members of the Containerized Clinic, including staircase assemblies, structural framing, wall framing, ceiling framing, roof framing, floor framing, brackets, supports, reinforcement members, fabricated steel components, weld joints, cut edges, connection plates and all associated steel works. The work shall include complete surface preparation, abrasive sand blasting, application of a multi-coat 2K protective coating system, touch-up after fabrication, inspection, Dry Film Thickness (DFT) testing, quality assurance, labour, tools, equipment, consumables, transportation and all materials required to provide a complete corrosion protection system in accordance with ISO 8501-1, approved drawings, coating manufacturer's recommendations and Engineer/Consultant's instructions. All steel surfaces shall be abrasive sand blasted to SA 2.5 finish prior to coating application. The coating system shall comprise one (1) coat 2K Zinc Rich Epoxy Primer (60–75 µm DFT), two (2) coats 2K High Build Epoxy Intermediate Coat (100–125 µm DFT each), and one (1) coat UV-resistant 2K Aliphatic Polyurethane (PU) Top Coat (50–60 µm DFT), achieving a minimum total Dry Film Thickness (DFT) of 350 microns. Approved coating manufacturers/brands shall include Nippon Paint, Kansai Paint, Chemserve, Diamond Paints, Kapci Coatings, Nexa Autocolor. General Note / Technical Requirements:						
Note: The contractor shall submit the proposed coating manufacturer's technical data sheets, product data sheets, recommended coating system and compatibility details for approval prior to application. DFT measurements shall be carried out for each coating layer and the completed coating system, and inspection/DFT records shall be submitted to the Engineer/Consultant. Any damaged, defective or insufficient coating resulting from fabrication, handling, transportation or installation shall be properly prepared and repaired by the contractor at no additional cost. All coating materials shall be applied strictly in accordance with the manufacturer's recommendations regarding surface preparation, mixing ratio, pot life, recoat interval, application method and curing time.						
SECTION 2.1 — Surface Preparation						
2.1.1	Abrasive sand blasting of all exposed and concealed Mild Steel (MS) structural members to SA 2.5 finish in accordance with ISO 8501-1, including removal of rust, mill scale, welding slag, grease, oil, dirt, oxidation and all foreign materials, complete in all respects.	JOB	1		0.00	
Section 2.1 Total — Surface Preparation					0.00	
SECTION 2.2 — Protective Coating System						
2.2.1	Supply and application of one (1) coat 2K Zinc Rich Epoxy Primer, achieving 60–75 microns DFT, including all required materials, labour, tools and application equipment, complete in all respects.	JOB	1		0.00	

Item No	Description	Unit	Qty	Rate (PKR)	Amount (PKR)	Remarks
2.2.2	Supply and application of first coat 2K High Build Epoxy Intermediate Coat, achieving 100–125 microns DFT, complete in all respects.	JOB	1		0.00	
2.2.3	Supply and application of second coat 2K High Build Epoxy Intermediate Coat, achieving 100–125 microns DFT, complete in all respects.	JOB	1		0.00	
2.2.4	Supply and application of one (1) coat UV-resistant 2K Aliphatic Polyurethane (PU) Top Coat, achieving 50–60 microns DFT, including approved colour, complete in all respects.	JOB	1		0.00	
Section 2.2 Total — Protective Coating System					0.00	
SECTION 3 —STRUCTURAL FABRICATION						
Supply, fabricate, assemble, deliver, install, test, and commission all Mild Steel (MS) structural works required for the complete conversion of one (1) ISO 668 High Cube Shipping Container into a fully functional Containerized Clinic. The works shall include container modification, structural reinforcement, external wall framing, internal partition framing, false ceiling framing, roof support framing, equipment and MEP service support framing, firefighting equipment supports, recessed cabinets, connection members, fixing brackets, lifting arrangements, and all associated structural steel works required to complete the unit in accordance with the approved shop drawings and the Engineer/Consultant's instructions. Unless otherwise specified, all fabricated structural members shall be manufactured from first-class Mild Steel (MS) Square Hollow Sections (SHS), Rectangular Hollow Sections (RHS), MS Channels, MS Angles, MS Plates, CRCA/MS Sheets, and other structural sections as specified in the respective BOQ items. Minimum thickness of fabricated framing members shall be 16 Gauge (approximately 1.6 mm), unless otherwise stated. Structural members subjected to higher loads, including staircase framing, roof framing, equipment supports, reinforcement members, base plates, and connection members, shall be provided in the sizes and thicknesses specified in the respective BOQ items or approved shop drawings. The Contractor shall carry out all cutting, drilling, welding, grinding, edge preparation, alignment, lifting, erection, temporary supports, fixing, structural restoration, testing, and commissioning required to complete the works. All welding shall be performed using E6013 electrodes (ESAB, Zodian, or approved equivalent readily available in Pakistan) by qualified welders. Surface preparation and protective coating of all fabricated steel members shall be carried out in accordance with Section 3 – Surface Preparation & Protective Coating. The rates shall include all labour, materials, consumables, transportation, tools, equipment, fixing accessories, and incidental works required to complete the structural works in all respects.						
SECTION 3.1 —Container Modification & Structural Reinforcement						
Carry out all structural modifications to the ISO container including cutting and preparation of openings for doors, windows, ventilation, MEP services, medical equipment, and utility penetrations. Reinforce all modified openings with MS jambs, headers, sills, reinforcement framing, and structural members necessary to restore the original strength and rigidity of the container. Seal the original cargo door end using minimum 2.0 mm thick MS sheet complete with supporting framing and structural reinforcement, maintaining the container's structural integrity in accordance with the approved shop drawings.						
3.1.1	Container Modification Works	JOB	1		0.00	
3.1.2	Structural Reinforcement to Modified Openings	JOB	1		0.00	
3.1.3	Cargo Door End Closure	JOB	1		0.00	
Section 3.1 Total — Container Modification & Structural Reinforcement					0.00	
SECTION 3.2 —External Wall Structural Framing						
Supply, fabricate, and install complete external wall framing using minimum 16 Gauge 3"x1" 2' c/c MS Rectangular Hollow Sections (RHS), including vertical studs, horizontal runners, perimeter framing, bracing members, fixing brackets, and all structural members required to support the external wall cladding system.						
3.2.1	External Wall Structural Framing	Kg	450		0.00	
Section 3.2 Total — External Wall Structural Framing					0.00	
SECTION 3.3 —Internal Wall Structural Framing						
Supply, fabricate, and install complete internal partition framing using minimum 16 Gauge 2"x 1", 2' c/c MS Rectangular Hollow Sections (RHS), including vertical studs, horizontal runners, service support framing, fixing brackets, and all structural members required to support wall cladding, sanitary fixtures, cabinetry, medical equipment, and fixed installations.						
3.3.1	Internal Wall Structural Framing	Kg	30		0.00	
Section 3.3 Total — Internal Wall Structural Framing					0.00	
SECTION 3.3—Ceiling Structural Framing						
Supply, fabricate, and install complete false ceiling support framing comprising minimum 75 × 40 × 1.6 mm 2' c/c MS Rectangular Hollow Sections (RHS) as primary support members and minimum 25 × 25 × 1.6 mm MS Square Hollow Sections (SHS) forming the ceiling grid, complete with perimeter framing, suspension brackets, hangers, intermediate support members, fixing accessories, and all structural members required to support the false ceiling panels, LED light fixtures, HVAC grilles/diffusers, access panels, and associated suspended services, complete in all respects.						
3.3.1	False Ceiling Structural Framing	kg	400		0.00	
Section 3.3 Total — Ceiling Structural Framing					0.00	

Item No	Description	Unit	Qty	Rate (PKR)	Amount (PKR)	Remarks
SECTION 3.4 — Portable MS Firefighting Equipment Stand						
Supply, fabricate, and install one portable external Mild Steel (MS) firefighting equipment stand fabricated from minimum 25 × 25 mm MS Square Hollow Sections (SHS), 16 Gauge thick, complete with removable mounting arrangement, holders, clamps, hooks, support plates, and storage provisions for fire buckets, fire extinguishers, fire shovel, fire axe, and fire beater. The stand shall be removable for storage inside the container during transportation. Surface preparation and protective coating shall be in accordance with Section 3.						
3.4.1	Portable Firefighting Equipment Stand	JOB	1		0.00	
Section 3.4 Total — Portable MS Firefighting Equipment Stand					0.00	
SECTION 3.5 — Recessed Fire Extinguisher Cabinet (Internal Wall Mounted)						
Supply, fabricate, and install recessed fire extinguisher cabinets flush-mounted within the insulated wall system, fabricated from minimum 1.2 mm thick CRCA/MS Sheet complete with welded reinforcement frame, concealed hinges, recessed handle, lockable door, extinguisher mounting bracket, retaining strap, perimeter trim, structural framing around the opening, insulation reinstatement, sealants, and all accessories. Each cabinet shall accommodate two (1) 5kg DCP and 5kg CO ₂ fire extinguisher and be finished in Fire Red (RAL 3020) with approved signage.						
3.5.1	Recessed Fire Extinguisher Cabinet	JOB	2		0.00	
Section 3.5 Total — Recessed Fire Extinguisher Cabinet (Internal Wall Mounted)					0.00	
SECTION 3.6 — Oxygen Cylinder Restraint System						
Supply, fabricate, deliver, and install a heavy-duty fixed Oxygen Cylinder Restraint Rack for the Containerized Clinic, suitable for securely accommodating two (2) standard medical oxygen cylinders. The restraint rack shall be fabricated from minimum 50 × 50 × 3.0 mm Mild Steel (MS) Square Hollow Sections (SHS) complete with fully welded base frame, vertical posts, top frame, intermediate horizontal members, and diagonal cross bracing. The rack shall incorporate rubber-lined cylinder support saddles, adjustable stainless steel double restraint chains with quick-release locking mechanism (upper and lower), minimum 6 mm thick MS base plates, heavy-duty neoprene vibration isolation mounts, M12 high-tensile anchor bolts with locking nuts for permanent fixing to the container floor, anti-rattle rubber pads, gusset plates, complete welding and grinding, anti-corrosion treatment, zinc-rich epoxy primer, and polyester powder-coated finish. The complete assembly shall be designed to provide a rigid, vibration-resistant, and shock-resistant restraint system suitable for transportation over rough and hilly terrain, complete in accordance with the approved fabrication drawings, manufacturer's recommendations, and Engineer/Consultant's instructions.						
3.6.1	Heavy-Duty Oxygen Cylinder Restraint Rack	JOB	1		0.00	
3.6.2	Iron/MS Fabricated Floor-Mounted Multi-Tier Literature & Flyer Rack for Educational Materials, Powder Coated Finish	Nos	2		0.00	
3.6.3	Floor-Standing Lockable Suggestion / Complaint Box with Drop Slot, MS Powder-Coated Stand & Keyed Lock	Nos	1		0.00	
Section 3.6 Total — Oxygen Cylinder Restraint System					0.00	
SECTION 4 — THERMAL INSULATION , PVC CLADDING & WALL FINISHES						
Supply, prepare, install, test, and commission a complete roof waterproofing system for the Containerized Clinic, including preparation of the existing galvanized corrugated roof, filling of all roof corrugation voids and surface irregularities using high-density closed-cell Polyurethane (PU) Foam, application of manufacturer-approved polyurethane primer, installation of alkali-resistant fiberglass reinforcement mesh, application of a seamless multi-coat elastomeric polyurethane waterproof coating system, UV-resistant protective top coat, galvanized steel roof edge flashings, polyurethane sealants to roof joints, flashing interfaces and terminations, together with all labour, materials, accessories, fasteners, tools, equipment, testing, inspection, touch-up, transportation, and incidental works necessary to provide a complete, durable, watertight, weather-resistant, UV-resistant, and maintenance-friendly roofing system in accordance with the approved shop drawings, manufacturer's recommendations, relevant international standards, and the Engineer/Consultant's instructions.						
SECTION 4.1 — Roof Waterproofing System						
Application of the complete roof waterproofing system to the existing galvanized corrugated roof, including all materials, accessories, labour, and workmanship necessary to provide a seamless, durable, and watertight roofing assembly.						
4.1.1	Roof Corrugation PU Foam Filling	SFT	850		0.00	
4.1.2	Polyurethane Primer Application	SFT	850		0.00	
4.1.3	Fiberglass Reinforcement Mesh	SFT	850		0.00	
4.1.4	Elastomeric Polyurethane Waterproof Coating	SFT	850		0.00	
4.1.5	UV-Resistant Protective Top Coat	SFT	850		0.00	
Section 4.1 Total — Roof Waterproofing System					0.00	
SECTION 4.2 — Flashing & Weather Sealing						
Supply and installation of roof edge flashings, roof joint sealing, and associated weather sealing works complete with all materials, accessories, fixings, and workmanship necessary to ensure a weatherproof and watertight roof perimeter and terminations.						
4.2.1	Galvanized Steel Roof Flashing With Polyurethane Weather Sealant to External Joints & Penetrations	RFT	130		0.00	

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Item No	Description	Unit	Qty	Rate (PKR)	Amount (PKR)	Remarks
Supply and install fixed aluminium window systems fabricated from minimum 2 mm thick white powder-coated aluminium sections (Lucky or approved equivalent), complete with minimum 5 mm tempered double-glazed glazing, integral blinds, Georgian bars, PVC glazing beads, stainless steel hardware, EPDM weather seals, fixing anchors, flashings, sealants, trims, and all accessories necessary to provide a complete weatherproof installation.						
5.2.2	Fixed Aluminium Window (18" x 36")	NOs	3		0.00	
Section 5.2 Total — Window System					0.00	
SECTION 6 — FLOOR FINISHES						
Supply, fabricate, deliver, install, test, and commission the complete floor finishing system for the Containerized Clinic, comprising marine-grade plywood subfloor and homogeneous Self Levelling Epoxy complete with						
6.1	Marine-Grade BWP Plywood Subfloor (18 mm)	SFT	850		0.00	
6.2	Self Levelling Metallic Epoxy 4mm	SFT	2,000		0.00	
Section 6 Total — FLOOR FINISHES					0.00	
SECTION 7—INTERNAL PLUMBING & SANITARY WORKS						
Supply, fabricate, deliver, install, test, and commission the complete internal plumbing and sanitary system for the Containerized Clinic, including plumbing fixtures, sanitary accessories, hot and cold water distribution, sanitary drainage, condensate drainage, valves, piping, fittings, supports, insulation, testing, commissioning, labour, transportation, tools, equipment, protection of completed works, and all accessories required to complete the installation in accordance with the approved shop drawings, manufacturer's recommendations, and the Engineer/Consultant's instructions.						
All plumbing materials shall be new and of approved quality suitable for healthcare facilities and mobile applications. PPRC pipes and fittings shall be Master, Dadex, AGM, or approved equivalent. uPVC/SWR pipes and fittings shall be Master, Popular, Dadex, or approved equivalent. Sanitary fixtures and accessories shall be Porta or approved equivalent. The complete plumbing installation shall be leak-proof, corrosion-resistant, vibration-resistant, securely supported, and suitable for continuous transportation over highways, rough roads, uneven terrain, and normal operating conditions. Rates shall include complete installation, testing, commissioning, cleaning, balancing, adjustment, and all accessories required to complete the plumbing works in all respects.						
SECTION 7.1 — SANITARY FIXTURES & ACCESSORIES						
Supply and installation of complete hand wash basin assembly, comprising vitreous china hand wash basin, chrome-plated tap/fitting, flexible connection hoses, bottle trap, waste coupling, angle valve, fixing accessories, sealants, water supply and waste connections, testing and commissioning, complete in all respects. Hand wash basin shall be Porta Model HDLP203AH or approved equivalent.						
7.1.1	Wall-Mounted Wash Basin	NOs	4		0.00	
7.1.3	Plumbing Fixture Fittings Set	JOB	1		0.00	
Section 7.1 Total — SANITARY FIXTURES & ACCESSORIES					0.00	
SECTION 8 —ELECTRIFICATION						
Supply, fabricate, deliver, install, test, and commission a complete concealed electrical system for one (1) Containerized Clinic, comprising electrical infrastructure, Main Distribution Board (MDB), concealed conduit and wiring system, power distribution, lighting circuits, dedicated equipment circuits, earthing and bonding, electrical fixtures, switches, socket outlets, ventilation accessories, ELV infrastructure, testing, commissioning, and all accessories required to provide a safe, reliable, and fully operational installation in accordance with the approved drawings, IEC/PEC Standards, manufacturer's recommendations, and the Engineer/Consultant's instructions.						
SECTION 8.1 — ELECTRICAL INFRASTRUCTURE & DISTRIBUTION						
Supply, install, test, and commission the complete concealed electrical wiring infrastructure including heavy-duty uPVC conduits, junction boxes, inspection boxes, concealed copper wiring, modular switches, socket outlets, supports, fixing accessories, cable identification, and all materials required for a complete concealed electrical installation.						
8.1.1	Complete Concealed Electrical Wiring System	JOB	1		0.00	
Section 8.1 Total — ELECTRICAL INFRASTRUCTURE & DISTRIBUTION					0.00	
SECTION 8.2 —MAIN POWER DISTRIBUTION						
Supply, fabricate, install, test, and commission the complete main electrical distribution system including Main Distribution Board (MDB), incoming generator cable, protective devices, copper busbars, terminations, cable dressing, identification, and all accessories required for complete power distribution.						
8.2.1	Main Distribution Board (MDB)	JOB	1		0.00	
8.2.2	4 Core x 25 sq.mm Copper Cable (Generator to MDB)	RFT	100		0.00	
Section 8.2 Total — MAIN POWER DISTRIBUTION					0.00	

Item No	Description	Unit	Qty	Rate (PKR)	Amount (PKR)	Remarks
SECTION 8.3 — DEDICATED POWER CIRCUITS						
Supply, install, test, and commission dedicated power circuits for fixed electrical, mechanical, medical, and laboratory equipment. Split Air Conditioners and Water Pump shall be wired using minimum 4 Core x 4.0 sq.mm PVC insulated PVC sheathed copper conductor cables with dedicated MCBs. Medical & Laboratory Equipment, Refrigerator, Water Dispenser, and Fresh Air Supply Fan shall be wired using minimum 3 Core x 2.5 sq.mm PVC insulated PVC sheathed copper conductor cables with dedicated MCBs. All works shall be complete in accordance with the approved drawings and the requirements specified under Section 10.						
8.3.1	Dedicated Power Circuit – 1.0 TR Split Air Conditioner	POINTS	6		0.00	
8.3.3	Dedicated Power Circuit – Medical & Laboratory Equipment	POINTS	5		0.00	
8.3.7	Dedicated Power Circuit – Fresh Air Supply Fan	POINTS	1		0.00	
Section 8.3 Total — DEDICATED POWER CIRCUITS					0.00	
SECTION 8.4 — SUPPLY OF ELECTRICAL FIXTURES & ACCESSORIES						
Supply of all electrical fixtures and wiring accessories complete with manufacturer's standard accessories. Installation, wiring, testing, and commissioning shall be measured under Section 10.5.						
8.4.1	Supply of 1 ft x 1 ft LED Panel Light, minimum 36 Watt, complete with LED driver.	NOs	6		0.00	
8.4.2	Supply of 5-inch LED Slim Round Downlight, minimum 17 Watt.	NOs	25		0.00	
8.4.3	Supply of LED Emergency Light with minimum 3-hour battery backup.	NOs	5		0.00	
8.4.4	Supply of Weatherproof LED External Wall Light.	NOs	6		0.00	
8.4.5	Supply of Electric Insect Killer Unit.	NOs	4		0.00	
8.4.7	Supply of Concealed Ceiling Fan complete with regulator.	NOs	6		0.00	
8.4.8	Supply of 13 Amp Universal Modular Socket Outlet complete with 16 SWG GI back box.	NOs	22		0.00	
8.4.9	Supply of 32 Amp Weatherproof Industrial Socket Outlet complete with matching plug.	NOs	1		0.00	
8.4.10	Supply of Two Gang Modular Switch.	NOs	2		0.00	
8.4.11	Supply of Four Gang Modular Switch.	NOs	10		0.00	
Section 8.4 Total — SUPPLY OF ELECTRICAL FIXTURES & ACCESSORIES					0.00	
SECTION 8.5 — INSTALLATION OF ELECTRICAL FIXTURES & ACCESSORIES						
Install, connect, test, adjust, and commission all electrical fixtures and accessories supplied under Section 10.4, including wiring connections, alignment, fixing, terminations, functional testing, and all accessories required for complete operation.						
8.5.1	Installation of Electrical Fixtures & Accessories	JOB	1		0.00	
Section 8.5 Total — INSTALLATION OF ELECTRICAL FIXTURES & ACCESSORIES					0.00	
SECTION 8.6 — TESTING & COMMISSIONING						
Carry out complete inspection, testing, verification, and commissioning of the entire electrical installation including insulation resistance, continuity, polarity, earthing, protective devices, MDB, lighting, power circuits, switches, socket outlets, and all connected equipment, complete with submission of test reports and demonstration to the Engineer/Consultant.						
8.6.1	Electrical Testing & Commissioning	JOB	1		0.00	
Section 8.6 Total — TESTING & COMMISSIONING					0.00	
SECTION 9 — INFORMATION TECHNOLOGY (IT) & NETWORKING						
Supply, deliver, install, test, and commission a complete structured IT and networking infrastructure for the Containerized Clinic, including concealed network pathways, structured cabling, data outlets, network rack, patch panels, power distribution unit, cable management accessories, patch cords, and all associated components required for a fully operational IT system.						
The complete installation shall comprise Category 6 structured cabling infrastructure with network connectivity from the rack to all data outlets and wireless access point locations, installed in accordance with approved drawings and applicable structured cabling standards.						
Approved Network Component Manufacturers: Schneider or approved equivalent available in Pakistan.						
SECTION 9.1 — NETWORK INFRASTRUCTURE						
Supply and installation of concealed network containment infrastructure for structured cabling system, including heavy gauge uPVC conduits, junction boxes, inspection boxes, pull boxes, flexible conduits, cable ducts/trunking, draw wires, cable supports, brackets, saddles, and fixing accessories suitable for installation within the containerized healthcare unit.						
9.1.1	Concealed network containment infrastructure	JOB	1		0.00	

Item No	Description	Unit	Qty	Rate (PKR)	Amount (PKR)	Remarks
Section 9.1 Total — NETWORK INFRASTRUCTURE					0.00	
SECTION 9.2 —STRUCTURED NETWORK CABLING						
Supply and installation of Category 6 (Cat-6) UTP structured cabling system from Network Rack to designated data outlet points and Wireless Access Point locations, including cable routing and termination requirements.						
9.2.1	Cat-6 UTP cabling to data outlets	JOB	12		0.00	
9.2.2	Cat-6 UTP cabling to Wi-Fi access points	JOB	10		0.00	
Section 9.2 Total — STRUCTURED NETWORK CABLING					0.00	
SECTION 9.3 —DATA OUTLETS						
Supply and installation of Cat-6 data outlets complete with Cat-6 keystone jack, modular faceplate, 16 SWG GI back box, and associated accessories. Approved Make: Schneider, Clipsal, Legrand, or approved equivalent.						
9.3.1	Single Cat-6 Data Outlet	NOs	10		0.00	
9.3.2	Double Cat-6 Data Outlet	NOs	12		0.00	
Section 9.3 Total — DATA OUTLETS					0.00	
SECTION 9.4 —NETWORK RACK & ACCESSORIES						
Supply and installation of complete wall-mounted network rack assembly including rack enclosure, patch panel, power distribution unit, cable management system, and patch cords suitable for structured cabling installation.						
9.4.1	10U Wall Mounted Network Rack	NOs	1		0.00	
9.4.2	24-Port Cat-6 Patch Panel	NOs	1		0.00	
9.4.3	8-Way 13 Amp Rack Mount PDU	NOs	1		0.00	
9.4.4	Concealed network containment infrastructure	NOs	1		0.00	
9.4.5	Cat-6 Patch Cord 0.5 m	NOs	15		0.00	
9.4.6	Cat-6 Patch Cord 3.0 m	NOs	10		0.00	
Section 9.4 Total — NETWORK RACK & ACCESSORIES					0.00	
SECTION 9.5 —TESTING & COMMISSIONING						
Complete testing, certification, commissioning, and documentation of the structured networking system including continuity testing, wire map verification, cable performance testing, identification of network points, submission of test reports, and demonstration of operational functionality.						
9.5.1	Testing, certification and commissioning of IT network system	NOs	4		0.00	
Section 9.5 Total — TESTING & COMMISSIONING					0.00	
SECTION 10 CONTAINER BRANDING & SIGNAGE						
Supply, fabricate, deliver, install, test, and commission complete external branding and internal signage system for the Containerized Clinic.						
External branding shall comprise CNC laser-cut 3D letters and approved IHNN logo fabricated from aluminium or mild steel, mounted on decorative MS square hollow section (SHS) support frame with suitable anchors, brackets, welding, and fixing arrangements. Metal components shall receive anti-corrosion treatment and shall be finished with automotive-grade polyurethane (PU) paint or powder-coated finish suitable for outdoor exposure.						
Internal signage shall comprise illuminated 3D acrylic lettering with approved IHNN logo, fabricated from laser-cut acrylic letters with transparent acrylic backing panel, concealed LED halo illumination system, LED drivers, concealed wiring, and SS 304 stainless steel stand-off mounting hardware, Siganges with removable cover as per room names, sample to be approved before fabrication and installation						
All signage shall be fabricated and installed as per approved artwork, dimensions, colours, illumination requirements, and healthcare environment suitability.						
10.2	External Sign Board (16'-0" x 4'-0") — Premium 3D Signage: 4mm Composite ACP Panel (Alpolic/Alucobond grade) mounted on MS tube frame (16 gauge, epoxy primer & PU top coat matching container finish), fitted with 10mm thick non-painted 3D Acrylic Letters/Logo on SS spacers, LED backlit illumination system complete with driver, wiring, weatherproofing and IP65 rated fittings, complete in all respects as per approved design and Engineer's instructions.	SFT	64		0.00	

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10.3	Door Signages with interchangeable Cover (Size: 12"x4")	NOs	12		0.00	
10.4	Internal Illuminated Acrylic Logo	JOB	1		0.00	
Section 10 Total — CONTAINER BRANDING & SIGNAGE					0.00	

SECTION 11 —HVAC SYSTEM

Supply, deliver, install, test, and commission complete Heating, Ventilation, and Air Conditioning (HVAC) system for the Containerized Clinic, including DC Inverter Split Air Conditioning Units, fresh air ventilation system, refrigerant copper piping, thermal insulation, insulated condensate drainage, fresh air intake assembly, weatherproof intake louvers, air filtration system, insulated GI ductwork, supply air diffusers, supports, mounting brackets, vibration isolators, protective sleeves, and all accessories required for a complete operational installation in accordance with approved drawings, manufacturer's recommendations, and Engineer/Consultant instructions.

Air Conditioning System:

Fresh Air Ventilation System:

11.1	DC Inverter Split Air Conditioning Unit	JOB	6		0.00	
11.2	Fresh Air Ventilation System	JOB	1		0.00	

SECTION 12 — FIRE PROTECTION & LIFE SAFETY

Supply, deliver, install, test, and commission complete portable fire protection equipment and life safety devices for the Containerized Clinic, including fire extinguishers, smoke detectors, fire response accessories, mounting arrangements, identification signage, testing, commissioning, and all accessories required for a complete operational installation in accordance with approved drawings, applicable fire safety requirements, manufacturer's recommendations, and Engineer/Consultant instructions.

All fire extinguishers shall be new, suitable for healthcare/mobile applications, complete with valid hydrostatic testing reports. Fire extinguishers shall include Dry Chemical Powder (DCP) and Carbon Dioxide (CO₂) types in required capacities. Fire blanket shall be 4 ft x 8 ft complete with wall-mounted hanger. Fire buckets shall be galvanized, red colour, and filled with dry sand. Fire shovel shall be heavy-duty steel type.

12.1	3 kg DCP Fire Extinguisher	NOs	4		0.00	
12.2	3 kg CO ₂ Fire Extinguisher	NOs	4		0.00	
12.3	2 kg DCP Fire Extinguisher	Nos	2		0.00	
12.4	Fire Blanket with Wall Mounted Hanger	NOs	4		0.00	
12.5	Battery Operated Smoke Detector	NOs	8		0.00	
12.6	Galvanized Fire Bucket with Dry Sand	NOs	4		0.00	
12.7	Heavy Duty Steel Fire Shovel	NOs	2		0.00	
12.8	Fire Axe	NOs	1		0.00	
12.9	Fire Beater	NOs	1		0.00	
12.1	Glass Breaking Hammer	NOs	3		0.00	

SECTION 13 — MEDICAL GAS SYSTEM

Item No	Description	Unit	Qty	Rate (PKR)	Amount (PKR)	Remarks
Supply, deliver, install, test, and commission a complete medical oxygen distribution system for the Containerized Clinic, including oxygen bedhead units, two (2) cylinder oxygen manifold, approximately 40 ft of medical-grade copper piping, pressure regulators, flowmeters, isolation valves, fittings, supports, ventilation louver for the oxygen cylinder compartment, wall protection accessories, testing, commissioning, and all accessories required to provide a safe, leak-free, and fully operational medical gas installation in accordance with the approved shop drawings and applicable healthcare/medical gas standards. The Oxygen Cylinder Restraint Rack is measured separately under Section 4 – Structural Fabrication.						
13.1	Oxygen/Electrical Bedhead Unit with Oxygen Distribution System	JOB	4		0.00	Vendor-
13.2	Ventilation Louver for Oxygen Cylinder Compartment	NOS	1		0.00	
Section 13 Total — MEDICAL GAS SYSTEM						0.00
SECTION 14 —BUILT IN FURNITURE & JOINERY						
Supply, fabricate, deliver, install, test (where applicable), and commission complete built-in furniture, cabinetry, counters, workstations, shelving systems, storage units, display cabinets, fixed joinery, privacy curtain systems, and under-cabinet task lighting for the Containerized Clinic. The works shall include design coordination, shop drawings, fabrication, concealed structural reinforcement, fixing, alignment, adjustment, hardware, accessories, cable management, technology boxes, transparent polycarbonate panels, lighting accessories, testing (where applicable), commissioning, and all incidental works necessary to complete the installation in accordance with the approved drawings and the Engineer/Consultant's instructions.						
Unless otherwise specified, all cabinets, counters, workstations, shelving units, storage cabinets, equipment bays, and fixed joinery shall be fabricated from minimum 18 mm high-density PVC Foam Board suitable for healthcare applications. Corian® solid surface worktops and shelves shall be minimum 12 mm thick with seamless joints, polished finish, radiused edges, and built-up edge profiles where required. All exposed edges shall be finished with minimum 2 mm machine-applied PVC edge banding using an automatic hot-melt edge banding machine.						
All concealed reinforcement, support brackets, equipment supports, and fixing systems shall be fabricated from minimum 16 Gauge powder-coated Mild Steel (MS) hollow sections with anti-corrosion treatment. Transparent viewing panels and retaining guards shall be manufactured from minimum 6 mm clear solid polycarbonate sheet.						
Furniture hardware including concealed hinges, drawer runners, telescopic slides, soft-close mechanisms, gas stays, locks, handles, magnetic catches, aluminium sliding systems, technology boxes, cable management accessories, levelling devices, mounting brackets, and fixing accessories shall be Häfele, Hettich, Yale, Dormakaba, or approved equivalent.						
All furniture shall be securely anchored to the container structural framing and designed for mobile healthcare applications capable of resisting vibration, transportation loads, braking forces, and uneven road conditions without movement, loosening, rattling, deformation, or structural failure.						
Hospital privacy curtains shall be manufactured from minimum 230 GSM antimicrobial permanently flame-retardant polyester fabric complying with NFPA 701 Method 1, BS 5867 Part 2 Type B/C, and AATCC 100, complete with heavy-duty powder-coated aluminium ceiling tracks, rollers, brackets, hooks, and accessories.						
Under-cabinet clinical task luminaires shall comprise powder-coated extruded aluminium housings with opal polycarbonate diffusers, flicker-free LED drivers, minimum 36 W, 4000 K Neutral White, CRI ≥90, and IP44 minimum protection rating.						
14.1	Wall-Mounted File & Document Storage Cabinet 4'x2.5 feet	NOS	8		0.00	
14.2	Floating Workstation 4x2 Curved Shap	NOS	4		0.00	
14.3	Reception Counter Curved (6'x2')	Nos	1		0.00	
14.5	Hospital Privacy Curtain System	RFT	60		0.00	
14.6	Under-Cabinet LED Clinical Task Luminaire (3'-0" Long)	NOS	2		0.00	
Section 14 Total — BUILT IN FURNITURE & JOINERY						0.00
SECTION 15 — MEDICAL & OFFICE FURNITURE						

Item No	Description	Unit	Qty	Rate (PKR)	Amount (PKR)	Remarks
Supply, deliver, install and commission complete medical and office furniture for the Containerized Clinic, including office seating, clinical seating, examination and treatment furniture, waiting area furniture, and all associated accessories. The works shall include delivery, positioning, assembly, adjustment, testing, manufacturer's standard accessories, labour, transportation, and all incidental works required to complete the installation in accordance with the approved drawings and the Engineer/Consultant's instructions. All furniture shall be new, heavy-duty commercial or healthcare grade, ergonomically designed, corrosion-resistant where applicable, and suitable for continuous use in a mobile healthcare environment. Furniture shall be capable of withstanding vibration, transportation, braking forces, and operational movement without damage, instability, or structural failure.						
SECTION 15.1 — OFFICE & CLINICAL SEATING						
Office chairs shall comprise heavy-duty five-star bases, twin-wheel castors, pneumatic height adjustment, adjustable back support, armrests, and breathable mesh or upholstered seating. Clinical stools shall comprise seamless medical-grade polyurethane (PU) seats, heavy-duty chrome-plated gas-lift columns with approximately 18"–24" height adjustment, five-star chrome bases, and medical-grade twin-wheel castors. Phlebotomy/Vitals Chairs shall comprise heavy-duty powder-coated steel frames, seamless medical-grade upholstery, adjustable armrests, and non-slip feet or lockable castors, suitable for blood collection, vitals assessment, and patient examination. Approved brands shall include Master Offisys, Interwood, Boss, or approved equivalent for office furniture, and approved medical-grade manufacturers for clinical furniture.						
15.1.1	Revolving Office Chair (Master Offisys Mesh LBC B3008-BB or approved equivalent)	Nos	5		0.00	
15.1.2	Height-Adjustable Patient Examination Stool	Nos	8		0.00	
15.1.3	Vitals Chair	Nos	2		0.00	
Section 15.1 Total — OFFICE & CLINICAL SEATING					0.00	
SECTION 15.2 — EXAMINATION & TREATMENT FURNITURE						
Medical examination and treatment furniture shall be manufactured from healthcare-grade materials suitable for continuous clinical use. Stainless steel furniture shall be fabricated from minimum Grade 304 Stainless Steel with satin finish and welded construction. Electrically operated furniture shall be supplied complete with maintenance-free electric actuators, hand-held remote controller, heavy-duty powder-coated steel frame, medical-grade seamless antibacterial and easy-to-clean upholstery, high-density foam cushions, lockable castors or levelling feet, and manufacturer's standard accessories. The Electrically Adjustable Medical Recliner / Phlebotomy & Treatment Chair shall be designed for patient examination, blood collection, infusion therapy, treatment procedures, and recovery. The chair shall incorporate electrically adjustable backrest and leg-rest positions, adjustable armrests suitable for phlebotomy procedures, retractable footrest, hand-held remote controller, heavy-duty steel frame, medical-grade seamless upholstery, lockable castors, safety locking mechanism, minimum safe working load of 180 kg, and all manufacturer's standard accessories. The Electric Height-Adjustable Mobilization Bed / Remote-Controlled Two-Section Examination Couch shall be designed for medical examination, patient assessment, minor procedures, and clinical treatment. The couch shall comprise a two-section platform with electrically adjustable height operated by a hand-held remote controller, adjustable backrest, heavy-duty powder-coated steel frame, maintenance-free electric linear actuator system, medical-grade seamless antibacterial upholstery, high-density foam mattress, lockable castors, paper roll holder, minimum safe working load of 200 kg, and all manufacturer's standard accessories.						
15.2.1	Stainless Steel IV Pole	Nos	2		0.00	
15.2.2	Wall-Mounted Stainless Steel IV Pole	Nos	2		0.00	
15.2.3	Electrically Adjustable Medical Recliner	Nos	2		0.00	

Item No	Description	Unit	Qty	Rate (PKR)	Amount (PKR)	Remarks
15.2.4	Stainless Steel Single Foot Step	Nos	4		0.00	
15.2.5	Stainless Steel Instrument Trolley	Nos	2		0.00	
15.2.6	Electrically Adjustable Two-Section Medical Examination Table	Nos	2		0.00	
Section 15.2 Total — EXAMINATION & TREATMENT FURNITURE					0.00	
SECTION 15.3 — WAITING AREA FURNITURE						
Waiting area furniture shall be fabricated from heavy-duty powder-coated Mild Steel (MS) frames with ergonomically designed seating suitable for indoor and outdoor mobile healthcare applications. Foldable seating shall incorporate positive locking mechanisms for both deployed and folded positions and shall be designed to withstand repeated transportation without loosening or structural deformation.						
15.3.1	Supply, fabricate, deliver, and install three-Seater Waiting Bench 6' x 1'-8"	Nos	6		0.00	
Section 15.3 Total — WAITING AREA FURNITURE					0.00	
SECTION 16 — APPLIANCES & CLINICAL ACCESSORIES						
Supply, deliver, install, test (where applicable), and commission all electrical appliances and clinical accessories for the Containerized Clinic, complete with manufacturer's standard accessories, fixing hardware, testing, commissioning, labour, tools, transportation, and all incidental works required for complete installation in accordance with the approved drawings and the Engineer/Consultant's instructions.						
SECTION 16.1 — APPLIANCES						
Supply, deliver, install, test, and commission electrical appliances complete with fixing hardware, anti-vibration restraints, travel restraint arrangements, electrical connections, testing, commissioning, and all accessories required for complete installation.						
16.1.2	Bottom-Loading Hot & Cold Water Dispenser	Nos	1		0.00	
Section 16.1 Total — APPLIANCES					0.00	
SECTION 16.2 — MEDICAL ACCESSORIES						
Supply, deliver and install wall-mounted clinical accessories complete with fixing hardware, mounting brackets, adjustment, and all accessories required for complete installation.						
16.2.1	Wall Mounted Glove Dispenser	Nos	6		0.00	
16.2.2	Wall Mounted Hand Sanitizer Dispenser	Nos	6		0.00	
16.2.3	Wall Mounted Paper Towel Dispenser	Nos	6		0.00	
16.2.4	Wall Mounted Liquid Soap Dispenser	Nos	6		0.00	
16.2.5	Wall Mounted Tissue Box Holder	Nos	6		0.00	
16.2.7	Wall Mounted Sharps Container	Nos	6		0.00	
16.2.9	First Aid Box complete with wall mounting accessories	Nos	6		0.00	
Section 16.2 Total — MEDICAL ACCESSORIES					0.00	
SECTION 17 — MEDICAL EQUIPMENT & DIAGNOSTIC INSTRUMENTS						
Supply, deliver, install (where applicable), calibrate (where applicable), test, and commission complete medical diagnostic equipment and clinical instruments for the Containerized Clinic, including manufacturer's standard accessories, rechargeable batteries or power adaptors where applicable, probes, sensors, cuffs, carrying cases, operating manuals, initial calibration certificates (where applicable), testing, commissioning, labour, transportation, and all incidental works required for complete installation in accordance with the approved drawings, manufacturer's recommendations, applicable healthcare standards, and the Engineer/Consultant's instructions.						
All equipment shall be new, healthcare-grade, suitable for continuous mobile healthcare operation, and supplied complete with manufacturer's standard warranty.						
SECTION 17.1 — VITAL SIGNS & PATIENT ASSESSMENT EQUIPMENT						
Supply, deliver, test, and commission patient assessment and vital signs monitoring equipment complete with manufacturer's standard accessories, probes, cuffs, batteries or power adaptors (where applicable), carrying cases, and operating manuals.						
17.1.1	Automatic Digital Vital Signs Monitor (Dinamap) - Brand:Edan IM-3	Nos	2		0.00	
17.1.2	Aneroid Blood Pressure Apparatus Brand: ABN	Nos	1		0.00	
17.1.3	Adult Stethoscope IHHN Approved	Nos	1		0.00	
17.1.4	Clinical Digital Thermometer (Infrared or Contact Type as Specified) IHHN Approved	Nos	1		0.00	

Item No	Description	Unit	Qty	Rate (PKR)	Amount (PKR)	Remarks
17.1.5	Diagnostic Examination Torch / Penlight (LED) IHHN Approved	Nos	1		0.00	
17.1.6	Pulse Oximeter (Finger Tip) IHHN Approved	Nos	1		0.00	
17.1.7	Non-Digital Height & Weight Scale IHHN Approved	Nos	1		0.00	
Section 17.1 Total — VITAL SIGNS & PATIENT ASSESSMENT EQUIPMENT					0.00	
GRAND TOTAL — ALL SECTIONS (PKR)					#REF!	