

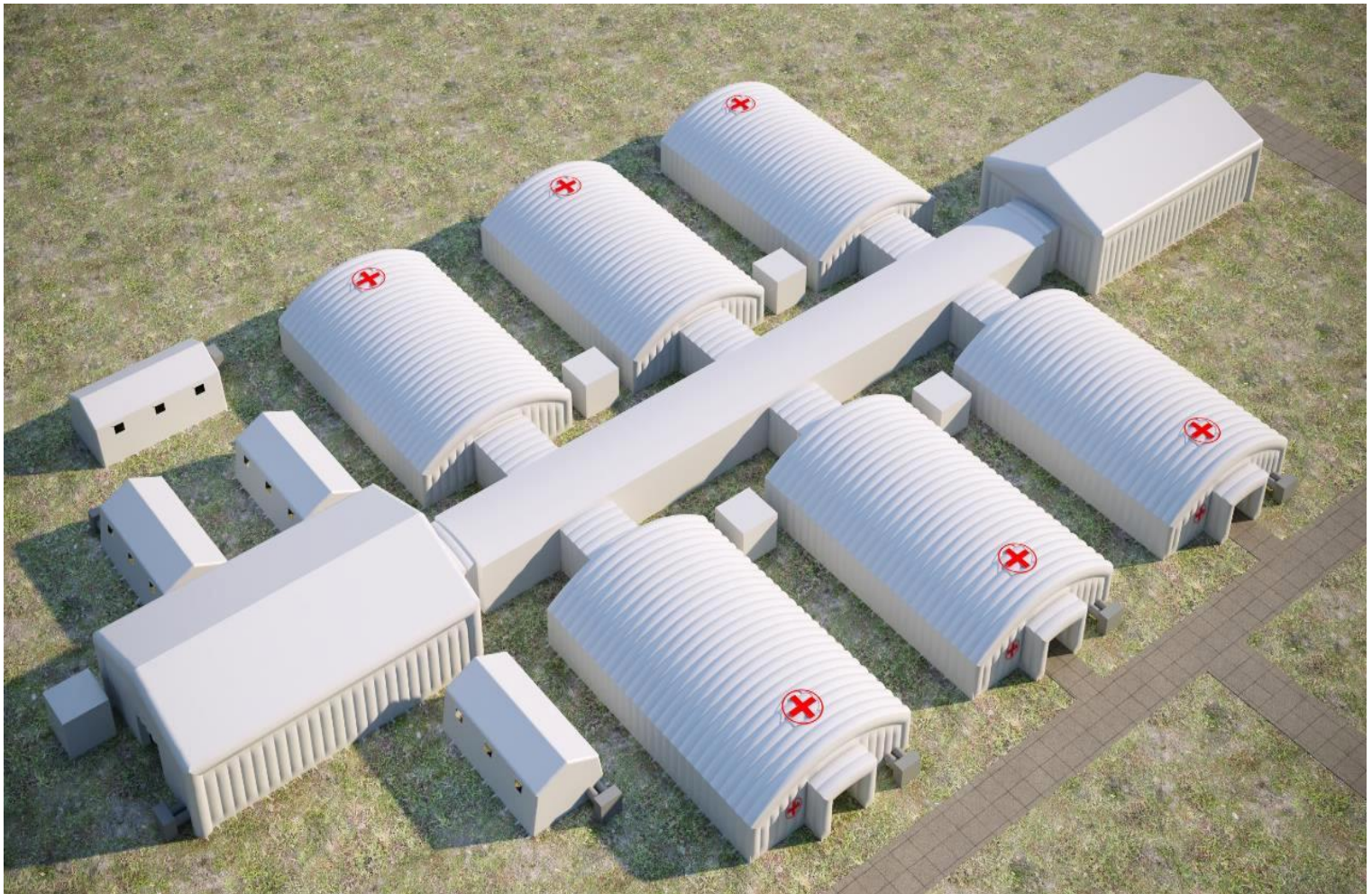
MIRAZ EMS

EMERGENCY MEDICAL SOLUTIONS

Indo-Israeli JV Company



Rapid Deployment Field Hospitals & Medical Facilities



INFLATABLE COVID FIELD HOSPITAL (ICFH) 50 BEDS

INFLATABLE COVID FIELD HOSPITAL - 50 Beds

Due to the ongoing spread of the Covid-19 pandemic and the risk of healthcare facilities being completely overwhelmed, MIRAZ EMS is offering Inflatable Field Hospitals which can be rapidly deployed in any open area to treat COVID-19 patients effectively.

ICFH - 50

A fully functional Inflatable Covid Field Hospital (ICFH) with 50 Patient Beds which can be rapidly deployed with comprehensive medical care facilities in remote areas and cover military, and emergency response applications. The field hospital is self-sufficient and supported by state-of-the-art infrastructure system and offers comprehensive medical services.

It is designed to effectively treat COVID-19 patients keeping in mind infection control measures for healthcare workers. It can be configured as a mobile and quickly-deployable unit as well as a stationary system. It can withstand temperatures ranging from extreme cold to heat allowing it to be used in all geographic conditions.

ICFH is based on the experience of and cooperation with medical professionals from planning companies and as well as reputed doctors of the country. We have strategic partnerships with all the major hospital equipment manufactures and can supply all medical technologies as per requirement.

Highlights

Integrated Hospital units with 50 Beds

Wards Including Isolation & ICU

Compliant with COVID-19 Facility Standards

Self Sufficient Infrastructure Systems

Durable PVC Inflatable Structure

All Weather & All Terrain

Rapid Deployment

Transport by Land, Sea or Air



ICFH 50

USP & FEATURES

A Rapidly Deployable, COVID-19 Ready Mobile Tertiary Care Hospital.

- Durable PVC Inflatable Structure
- All Weather & All Terrain
- Covid-19 & Hospital Design Standards Compliant
- Rapid Deployment Tertiary Care Hospital
- Hybrid Power Management
- State of the Art ICU & Isolation Ward Facilities
- Mobility Enabled for Transport by Land, Sea or Air
- CCTV in Critical Areas
- Easy Setup, Durable, Mobile, Safe, Waterproof, Fireproof.
- A Cost effective & fast mobilization solution
- Mobility enabled for various terrain Navigation & Implementation
- Telemedicine and Remote Monitoring via VSAT(optional)

ICFH 50

SERVICES OVERVIEW

- ❑ Turnkey Field Hospital solutions with all Medical Equipment
- ❑ Complete Infrastructure Project management
- ❑ Design and integration
- ❑ Integrated Logistics Support System
- ❑ Training Services and support
- ❑ Procurement
- ❑ Safety & Environmental analysis

Key Functional Modules

- ❑ Triage Area
- ❑ Isolation Wards (COVID 19)
- ❑ Intensive Care Unit
- ❑ Critical Care
- ❑ Radiology
- ❑ Laboratory Unit (Including COVID BSL 2 LAB)
- ❑ Pharmacy
- ❑ Sterilization Unit
- ❑ Outpatient care
- ❑ Doctors / Staff Room

Infrastructure Solutions

- ❑ Power Generation System
- ❑ Medical Gas Manifolds
- ❑ Modular HVAC with HEPA Filters
- ❑ Pharmacy & Medical Store
- ❑ Biomedical Waste Management
- ❑ Water Purification & Distribution
- ❑ Mortuary
- ❑ Central Laundry & Kitchen

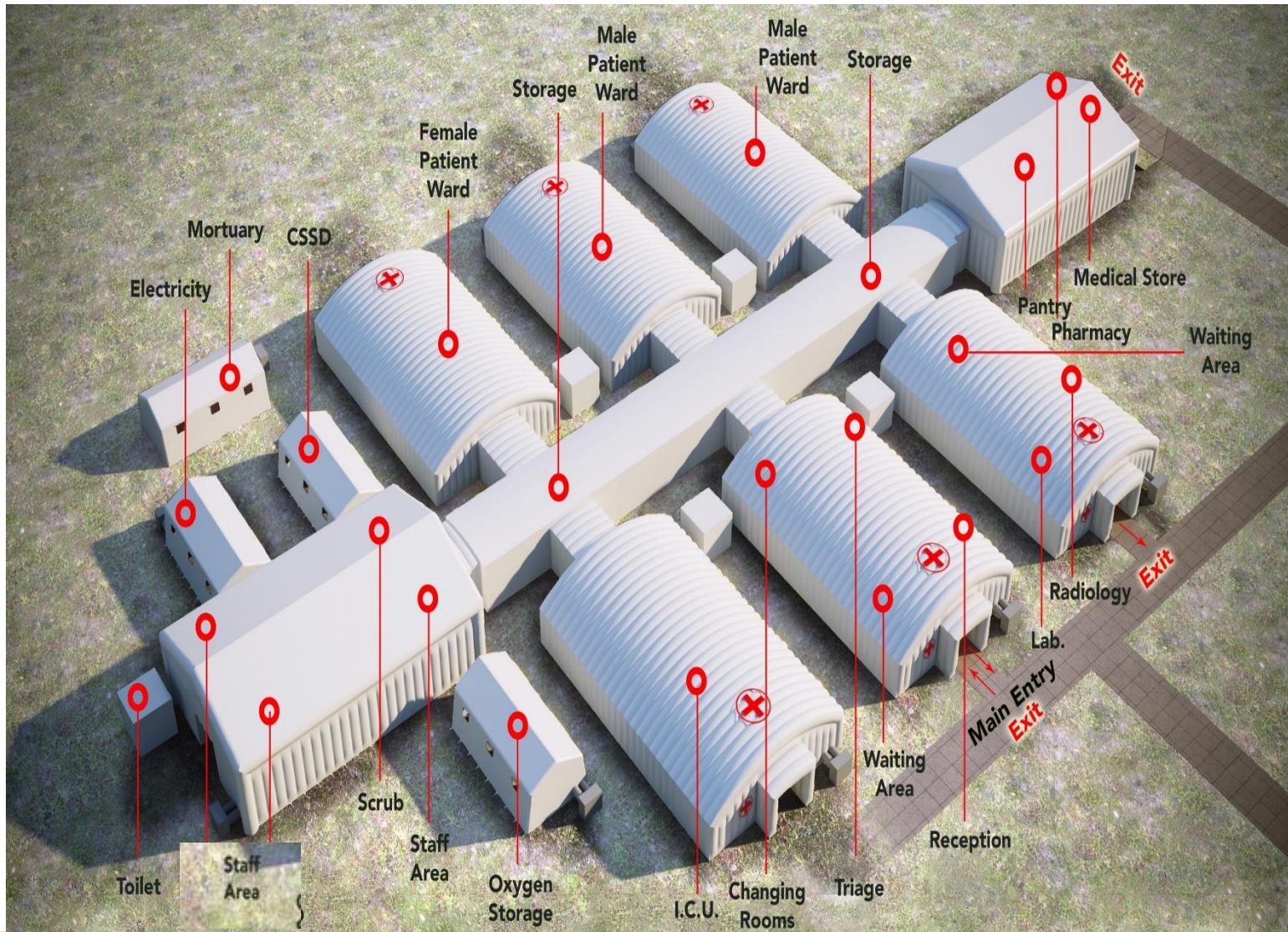


ICFH 50

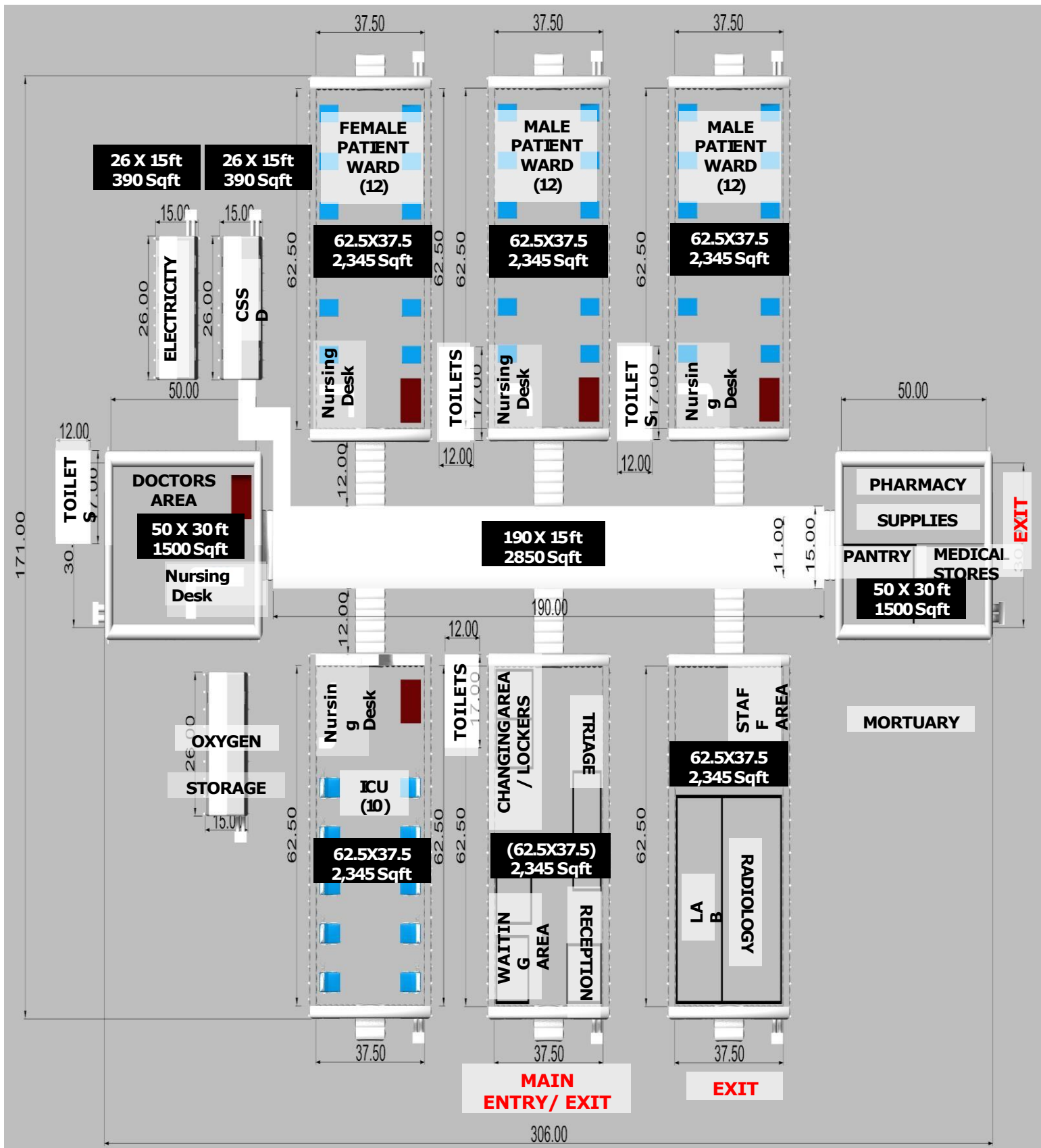
MEDICAL SERVICES SCOPE

Facility	Scope	Units
Patient Wards		
Intensive Care Unit	Y	10
Severe Patient Ward	Y	40
Total Patient Wards		50
Daycare	Y	2
Diagnostic Services		
Radiology & Imaging		
C. R. System	Y	1
Ultra Sound (Color)	Y	1
Portable X-Ray 6	Y	1
Laboratory Medicine		
Biochemistry	Y	
Hematology	Y	
Serology	Y	
Clinical Pathology	Y	
BSL 2 Lab	Y	
Emergency Care Services / Triage / OPD	Y	
Ambulatory Care Services		
General Medicine	Y	
Covid-19 Treatment	Y	

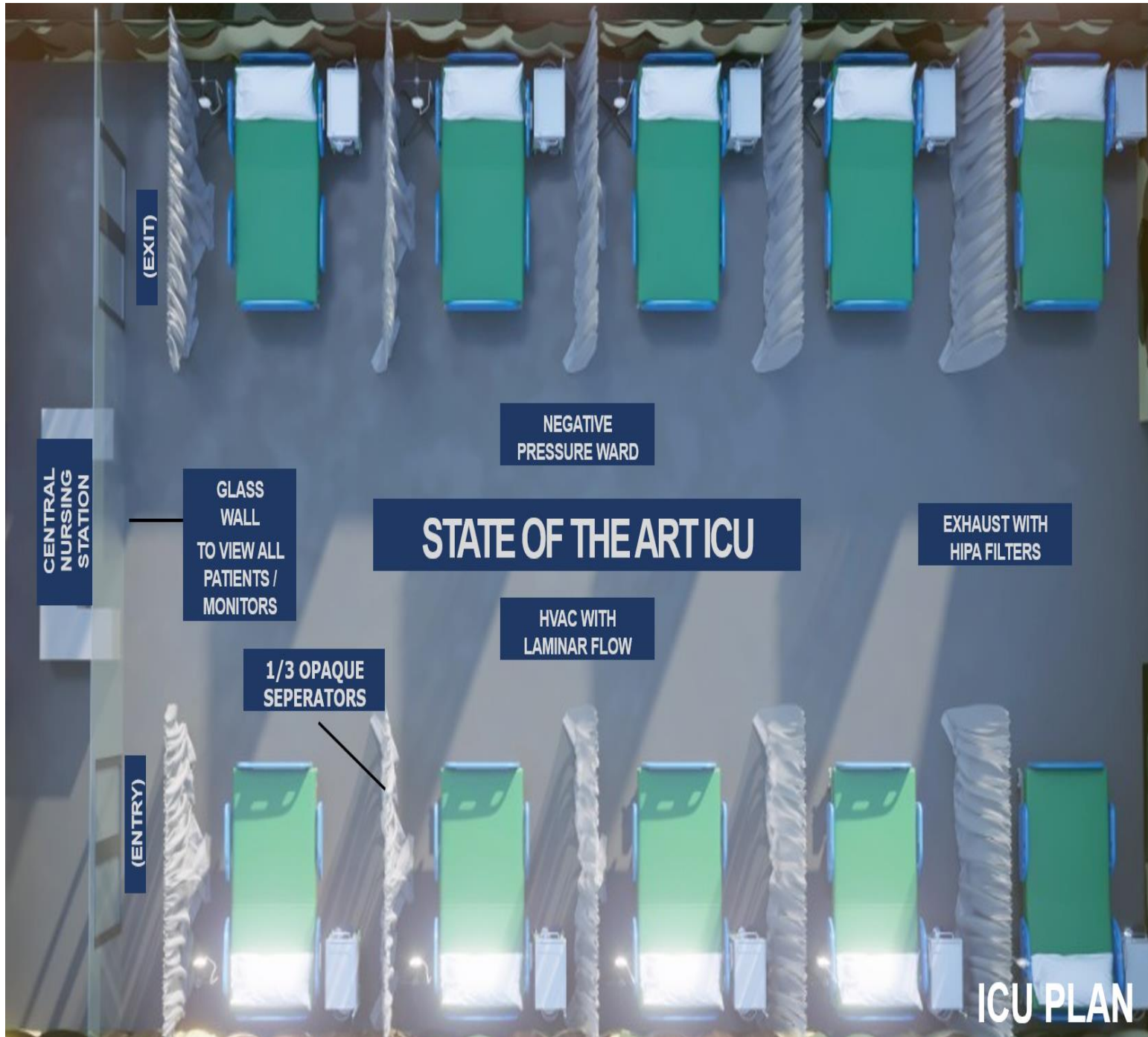
ICFH 50 MASTER LAYOUT



ICFH 50 INTERNAL LAYOUT



ICFH 50 ICU LAYOUT



DESIGN CONSIDERATIONS AS PER GUIDELINES

IS 10905

HTM 2025 (Ventilation in Health Care Facility) ASHRAE 170

AERB for X-Ray installations

COVID 19 Guidelines by NCDC

- | 85 sqft. designated area per bed in Patient Wards / Quarantine Room
- | 150 sqft designated area per bed in ICU / Isolation ward.
- | 15ft. Width of Main passage
- | 11ft. Width of entry passage to Individual enclosure Units
- | 4Ft. Edge to Edge distance between patient beds
- | 1500 sqft. Area earmarked for OT
- | 1800 sqft Area earmarked for Lab / Radiology with LEAD wall per AERB guidelines

Ventilation / Pressure/ Humidity/ Air Purification standards as per HTM 2025 / ASHRAE

ISOLATION AREA CONSIDERATIONS FOR AIRBORNE INFECTIONS

A special ICU that will control the airflow using Negative Pressure / Plasma air technology so that the number of airborne infectious particles is reduced to a level that ensures cross-infection of other people is highly unlikely (For Malaria, TB, Coronavirus etc.)

Ensuring all units identified for Isolation are away from surgical / high traffic areas.
Strict adherence to Infection prevention control in all units.

EQUIPMENT OVERVIEW

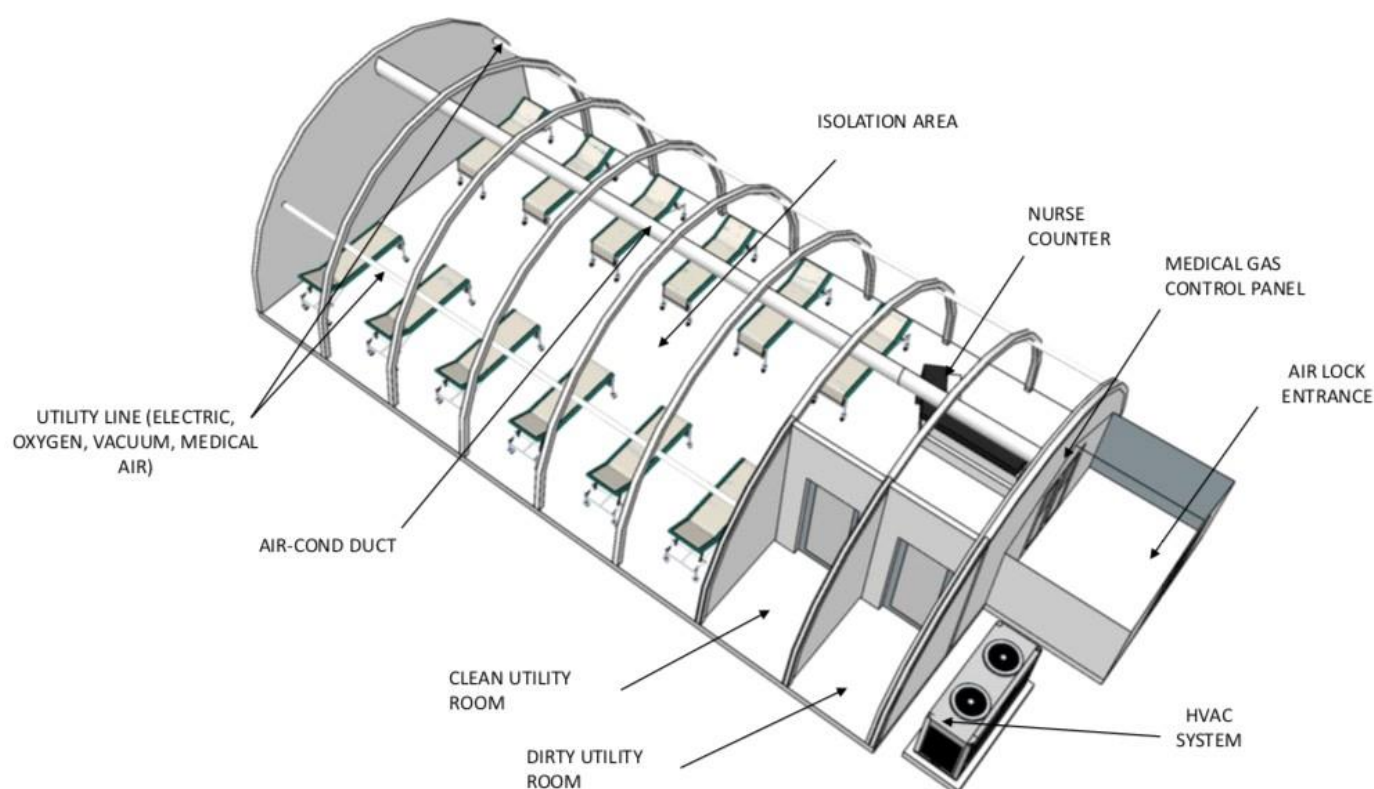
INFLATABLE STRUCTURES

Material	Durable PVC Tarpaulin (600 GSM)
Size	22,000 Sqft
Color	Available in Custom Colors
Inflation Mechanism	<p>Air-sealed, Multiple Air Blowers used for Rapid Inflation. Inflation system includes blowers for quick installation. Includes long term continual blowers and inflation harness. Includes Air on Demand system to control air flow, Industrial Grade wiring used for all electric cables. Blowers – 30 (no.) 220V,1500W,UK/EU plug Air Pump- 10 (no.) 220V,1500W,UK/EU plug</p>
Key Features	<p>Highly Mobile, Rapid Deployment Inflatable Tents (Ready to Use in 24-72 Hours)</p> <p>High Durability, UV-Resistant, Flame Retardant, Waterproof, Wind Resistant, Quick Setup, Modular.</p> <p>High-pressure inflation technology enables efficient set up and take-down, with minimal personnel and machinery.</p> <p>All Weather All Terrain Functional Guarantee for operation in Cold, Warm, Windy, Humid and Dusty Environment Withstands Extreme Dry, Heat, Cold and Wet Conditions Deployable in any Terrain</p> <p>Suitable for Short-Term and Long-Term deployments.</p> <p>Inflatable structures that link to each other to form a completely contained facility.</p> <p>Networks with other Inflatable & structures for maximum footprint flexibility</p> <p>Tents are designed with connectable doors, windows, valves for natural ventilation and an air conditioning / heating unit connection. Multiple Inlet and Outlet ports provisioned for medical gas management</p> <p>Requires minimum maintenance and has a low lifecycle cost</p> <p>All Repair Material and Spare parts are provided</p>
Certifications	<p>Fire Certification from Intertek or similar national / international certifications.</p> <ul style="list-style-type: none"> • Fire Certification from Intertek. • Standard: U.S. ASTM F963-11 (Passed) <p>(Flammability Test, Heavy Elements Analysis, 19 Toxic Element Migration Test, Total Lead (Pb) Content) Passed</p>
Wind Load Capacity	<p>Reinforcements on exposed details and seams that receive high strain ensure that tent remains stable in winds of up to 80 KM / HR when properly anchored.</p> <p>Optional anchoring and ballasting equipment can be attached to these specially reinforced points for setting up and securing the inflatable tents on any surface and in any environment</p>
Weight	Approximately 8500 Kg for ICFH-45 Design.
Packing details	Ability to be stored and transported in boxes / bag as a complete package color coded by Service Area.
Warranty	5 Years
Operational Life	8 Years
Shipping	By Land, Air or Sea in Standard 20ft. containers
Installation & Commissioning	<p>Installation set up and commissioning by PT Medical Solutions during first deployment. On-site Training for beneficiaries with complete operations manual.</p>

EQUIPMENT OVERVIEW

HVAC

- I Included provision of Plasma Bipolar Air sterilisation technology to reduce the burden of pathogen load in ambient air in the different parts of the Hospital.
- I Planned Fresh Air Changes between 2 – 4 to eliminate ambiguity. (4 in all clean areas created)
- I Recirculation up to 80% with HEPA Filters as per ASHRAE 170.
- I Minimum total air changes, as under
 - 12 TACH in all General Wards
 - 15 TACH in all Intensive Care Wards
- I In all wards, Patient treatment area, may be kept at negative pressure by deploying calibrated airflow, which prevents contaminated air from flowing into adjacent areas. The air flows from “clean” to “dirty,” entering at the ceiling, near the patient bed’s foot end and exiting at the room’s most infectious point, just above the floor at the head of the patient bed. The air flow directionality, pressure and velocity is monitored and integrated to a warning alarm.
- I Depending upon design temperatures, cooling may or may not be required in General Wards but only in staff areas.

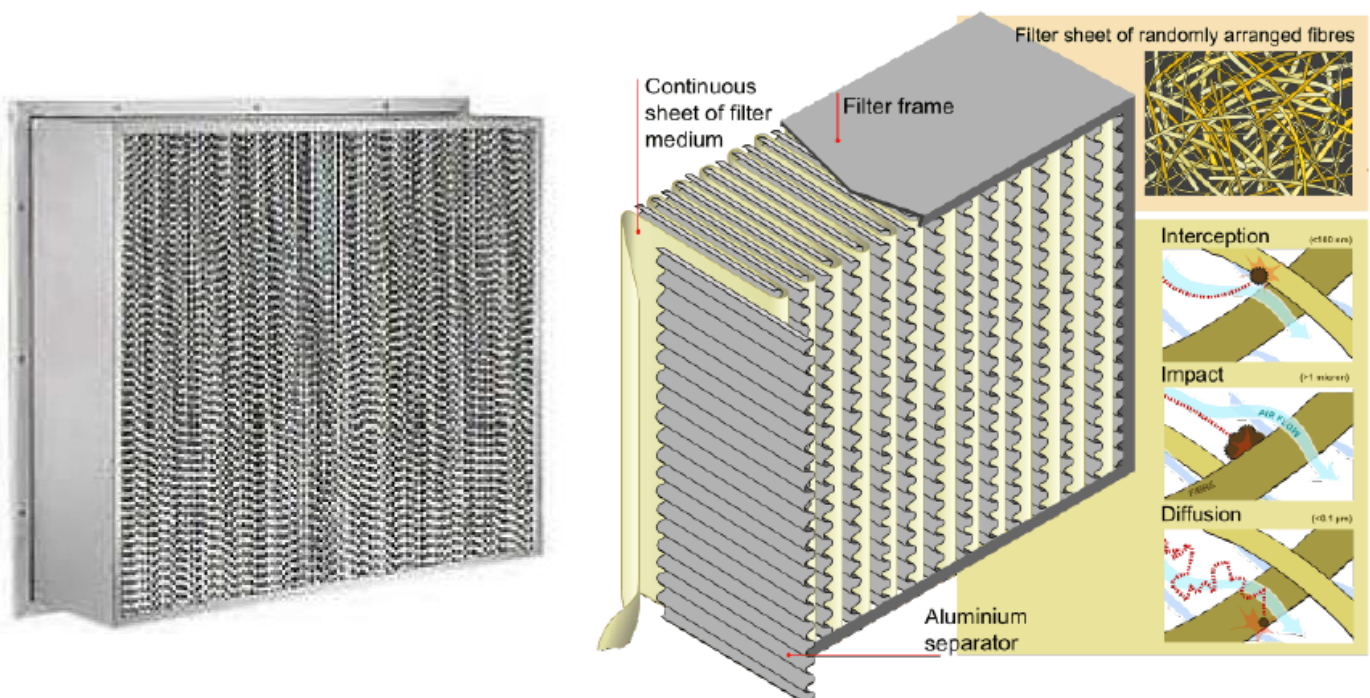


EQUIPMENT OVERVIEW

HVAC UNIT DESIGN

HEPA Filter Characteristics

- HEPA Filters (MERV-17)
- Aluminum Housing for Filter Media
- Deep space folds of sub micron glass fibers for extra surface area
- Frame designed with double turned flanges & closed cell neoprene gasket
- Resistant to Moisture, swelling, bacterial and fungal growth
- All MS parts to be epoxy painted
- Aluminum grilles made from 1.6 mm Aluminum sheets –minimum clear area of 60 percent
- Grilles to be anodized stove enamel painted
- Face velocity across filters ≤ 500 FPM.
- Thermadyne HEPA Filters
- Self-sufficient power supply | Efficiency $>99.97\%$ at 0.3 micron
- Individually point to point scanned for media integrity
- DOP tested for overall efficiency
- Filters meet EN-1822 specification
- D.O.P. efficiency & scan test as per stds. JIS-B 9908 & JIS-K 3801



EQUIPMENT OVERVIEW

PLUMBING AND SANITATION

1. Total Water Supply for this Hospital should be optimally 5 KLD per Bed, (without attendants) conforming to IS 10500: 2012.
2. Some amount of Lab Water Class II and Class I will be required for Laboratory and PCR work.
3. Scrub sinks may be located immediately outside of the General Wards and in ICUs.
 1. These are designed for one, two, or three stations where one, two, or three faucets are provided so that multiple staff members can wash their hands at the same time.
 2. These are large and deep basins, floor (Free) standing, used for hand washing up to the elbows, before entering the Clean Rooms. These are provided no drip edges with raised lips. The Water Faucets on the sink provide non-aerated, consistent water flow with either showerhead or with non-splashing laminar flow head.
 3. Similarly, Soap is also dispensed by a pump.
 4. Typically, these faucets and Soap dispenser are controlled using Infrared, Elbow, Knee or Foot operated controls. The front sink wall is sloped to prevent splashing. An anti-splash bottom tray with perforations is provided. All internal joints are finished as radial covings for easy cleaning.
 5. Stainless Steel is the usually recommended material for fabrication of these Scrub Sinks.
 6. The design shall ensure that these sinks and soap pumps can be cleaned and disinfected daily.
 7. The preferred faucet spout for these washbasins shall be gooseneck style to allow for complete hand-washing and fingers-up rinsing.
 8. Provision of Bedpan Washers cum Disinfector in Sluice Rooms – Optional *
 9. Designated patient wards shall be provided with an automatic Bedpan Washer cum Disinfector and a Bedpan & Bottle storage rack.
 10. The automatic Bedpan Washer cum Disinfector is an automatic machine fabricated from Stainless Steel, which stands on the floor, is foot operated and has an integrated steam generator.
 11. It washes and disinfects bedpans and urine bottles at an average temperature of 80-degree C.
 12. For installation and service, this requires a clear area of 300 mm all around from walls etc.

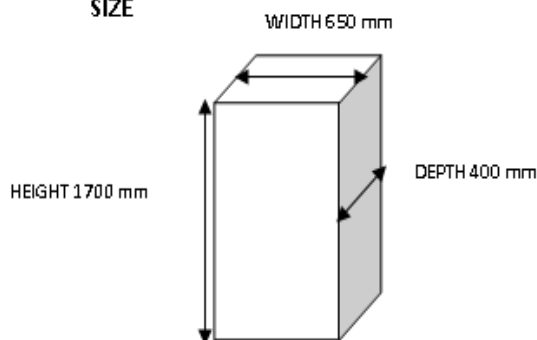
EQUIPMENT OVERVIEW

PLUMBING AND SANITATION

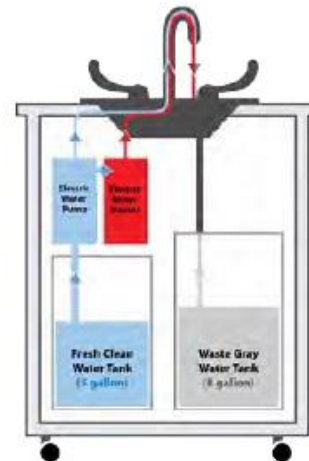
AUTOMATIC BEDPAN WASHER CUM DISINFECTOR



SIZE



PORTABLE SINKS



- Electrical connection : 2 x 15 A, 230 V, Single phase, 50 Hz
- Water Inlet : ½ inch BSP at 15 – 20 psig pressures
- Drain Connection : 4 inch BSP, for soil waste, located at 16 inches from finished floor level on the wall at rear of the proposed machine location

EQUIPMENT OVERVIEW

ELECTRICAL

1. All electrical switches and sockets should be in a patient headwall panel, suitable for swipe cleaning.
2. All Light Fixtures shall be IP 54 or higher, suitable for swipe cleaning and sanitisation when patients change.

FIRE SAFETY

1. Adequate Ventilation and flame safety is designed to mitigate this.
2. Fire Extinguishers Available

MEDICAL GAS PIPELINE SYSTEM * Optional

1. This Hospital will require a 3 Gas system as under.
 1. Medical Oxygen
 2. Medical Vacuum
 3. Medical Air 4
2. The following are not required
 1. Nitrous Oxide
 2. Medical Air 7
 3. Carbon Dioxide
 4. Anaesthetic Gas Scavenging System (AGSS)
3. Provide at least 1 Medical Oxygen and 1 Medical Vacuum port on every bed provided.
4. Provide at least 1 Medical Air 4 port on every bed provided for use of Ventilators including ICU Beds and Triage Beds.

* Mobile portable units can be used as well.

EQUIPMENT OVERVIEW

MOBILITY SOLUTIONS

41" X 102" X 49" Re-usable containers

- Incorporates openings for forklift provisions
- Removable lid which can be secured with latches and keeper plates
- Constructed of linear low-density polyethylene with UV stabilization
- Four (4) handles installed on both the container base and the lid
- Watertight and equipped with a drain plug, breather valves, and nameplate
- Container weight is less than 325 pounds (147.42 kg)
- Holds up to 1,800 pounds (816.47 kg) and is stackable 2 high while fully loaded
- Empty containers safely stackable to 3 high
- Spares / repair kit supplied with each container



EQUIPMENT OVERVIEW

MOBILE FURNITURE & EQUIPMENT

Collaboration and procurement through leading manufacturers

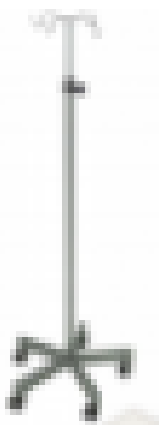
High Quality & Durable furniture / fittings

Easy to Maneuver Mobile Medical Furniture

Rugged / Portable Medical monitoring equipment with stands

Local After Sales Support for all equipment

All Products are BIS / CE / US FDA / IEC etc. certified



DETAILED LIST OF ALL EQUIPMENT IN BOQ

PRICING

50 BED INFLATABLE COVID FIELD HOSPITAL

Brief Quotation by Facility Type

Facility Type	Particulars	Total Price (USD)
Inflatable Structure	Inflatable Hospital Enclosure -PVC Tarpulin Tents -Aluminium Truss -Insulation Walls -Inflation System & Blowers -Harness & Safety Hooks -Electrical Wiring	
Support Infrastructure	HVAC / Air Purification / HEPA Filters Electrical Works- DG Sets/Control Panel/UPS Water Distribution System Flooring Oxygen Generator (Onsite Oxygen Plant) Medical Gas Pipeline System Lights / Led Bio-Medical Waste Disinfection System Firefighting Mortuary (4 Body) Fork Lift - 1.5 Tons Porta Toilets / Showers	
Medical Services	Intensive Care Unit (I.C.U) CSSD Patient Ward Radiology & Imaging Reception & Waiting TRIAGE / OPD Covid-19 Testing Wash and Sterilization Hematology Biochemistry Clinical Pathology Serology	
Grand Total		\$2,495,401

- GST/ Sales Tax/Service Tax/ VAT/ Any Local levies etc. will be charged extra as applicable
- Freight & Transit on Actuals

BOQ

				Grand Total		\$2,495,401
Facility	Beds/Units	Sn	Item	Type	QTY	Brand/Model
Inflatable Structure						
Inflatable Structure		1	Inflatable Hospital Enclosure -PVC Tarpulin Tents -Aluminium Truss -Insulation Walls -Inflation System & Blowers -Harness & Safety Hooks -Electrical Wiring	Equipment	1	PT MEDICAL
Support Infrastructure						
		1	HVAC	Equipment		Hitachi
		2	Fork Lift - 1.5 Tons	Equipment	2	Honda
		3	Electrical Works- DG Sets/Control Panel/UPS	Equipment	1	Kirloskar or Local
		4	Firefighting	Equipment	200	Fire Fit
		5	Lights / Led	Equipment	800	Havells
		6	Flooring	Equipment	1	PVC Vinyl + Wood
		7	Bio-Medical Waste Disinfection System	Equipment	1	SS Maser
		8	Mortuary (4 Body)	Equipment	1	National Steel
		9	Water Distribution System	Equipment	1	Kenstar
		10	Porta Toilets / Showers	Furniture	15	3C
		11	Oxygen Generator (Onsite Oxygen Plant)	Equipment	1	
		12	Oxygen Concentrator (Backup)	Equipment	20	Philips
		13	Medical Gas Pipeline System	Equipment	50	Narula
Services						
		1	Detailed Design and consulting services	Services		PT Medical
		2	Cost of installation and commissioning	Services		PT Medical
		3	Onsite Training services	Services		PT Medical
Intensive Care Unit (I.C.U)						
	10					
		1	Multiparameter monitor - ECG, Respiration, NIBP, SpO2, Temperature	Equipment	12	Philips Goldway
		2	Central station	Equipment	1	Philips Goldway
		3	HFNC	Equipment	2	Fisher & Paykel Airflow
		3	Ventilator	Equipment	5	Maquet Servo S
		4	Defibrillator	Equipment	1	Philips Heartstart
		5	ECG machine	Equipment	1	Contec
		6	Pulse oximeter	Equipment	2	Technicare
		7	Syringe Pump	Equipment	24	Mindray SP1
		8	Volumetric pump	Equipment	12	Mindray VP1
		9	External pacemaker	Equipment	2	Mediatrade
		10	Nebulizer	Equipment	20	Krison
		11	Suction machine	Equipment	20	Technicare
		12	Blood Warmer	Equipment	1	3M Blood Fluid Warmer
		13	Patient Bed Electrical	Furniture	12	Stryker or Similar
		14	Mattress x1 , Blankets x2 ,Bed sheet x2 Pillows x2	Furniture	12	Stryker or Similar
		15	Bedside Table	Furniture	12	Stryker or Similar
		16	Over Bed Table (Manual)	Furniture	12	Stryker or Similar
		17	Footstep	Furniture	12	Stryker or Similar
		18	Revolving Stool	Furniture	12	Stryker or Similar
		19	Drip Stand	Furniture	12	Medimek
		20	IV Pole	Furniture	12	Medimek
		21	Monitor Stand	Furniture	12	Medimek
		22	Waste Bins	Furniture	20	Medimek
		23	Doctors Chair	Furniture	5	Medimek

BOQ

Facility	Beds/Units	Sn	Item	Type	QTY	Brand/Model
		24	Medical Examination Lamp	Furniture	2	Medimek
		25	Storage Cabinets	Furniture	6	Medimek
		26	Table	Furniture	5	Medimek
		27	Scrub Station	Furniture	2	Medimek
Patient Ward	40					
		1	ECG Machine	Equipment	3	Contec
		2	Defibrillator	Equipment	3	Philips Heartstart
		3	Nebulizer	Equipment	3	Krison
		4	Pulse oximeter	Equipment	5	Technocare
		5	Multiparameter monitor	Equipment	20	Philips Goldway
		6	Bipap Machine	Equipment	5	Philips A40
		7	Patient Bed Mechanical	Furniture	38	Stryker or Similar
		8	Mattress x1,Blankets x2,Bed sheet x2 Pillows x2	Furniture	38	Stryker or Similar
		9	Bedside Table	Furniture	38	Stryker or Similar
		10	Over Bed Table (Manual)	Furniture	38	Stryker or Similar
		11	Footstep	Furniture	38	Stryker or Similar
		12	Revolving Stool	Furniture	38	Medimek
		13	Drip Stand	Furniture	38	Medimek
		14	IV Pole	Furniture	38	Medimek
		15	Monitor Stand	Furniture	20	Medimek
		16	Waste Bins	Furniture	30	Medimek
		17	Doctors Chair	Furniture	15	Medimek
		18	Medical Examination Lamp	Furniture	5	Medimek
		19	Storage Cabinets	Furniture	10	Medimek
		20	Bedside Screen	Furniture	50	Medimek
		21	Table	Furniture	10	Medimek
		22	Chairs	Furniture	15	Medimek
Radiology & Imaging	1					
		1	ULTRASOUND/ COLOR DOPPLER	Equipment	1	Fujifilm Sonosite Edge II
		2	X-ray viewer [8 film panel]	Equipment	4	Local
		3	DIGITAL X-RAY 300 MA	Equipment	1	Skarray / Siemens
		4	Auto Film Processor	Equipment	1	Local
		6	Computed Radiography(CR)	Equipment	1	Fuji/Sonorad
		7	Patient X-ray Table and Chest stand	Furniture	1	Medimek
		8	Protective clothing with mobile hanger	Furniture	1	Medimek
		9	X-Ray Lead Glass	Furniture	8	Medimek
		10	Chairs	Furniture	8	Medimek
		11	Table	Furniture	10	Medimek
		12	X-Ray View Screen	Furniture	2	Medimek
		13	Storage Cabinets	Furniture	5	Medimek
		14	Doctors Chairs	Furniture	5	Medimek

BOQ

Facility	Beds/Units	Sn	Item	Type	QTY	Brand/Model	
Laboratory	1						
Biochemistry		1	Fully Automated Chemistry Analyzer	Equipment	1	Transasia	
		3	Blood Gas analyzer	Equipment	1	Transasia	
		4	Electrolyte Analyzer	Equipment	1	Quciklabs	
		5	Centrifuge	Equipment	1	Remi	
		6	Refrigerator double door	Equipment	2	Samsung	
		7	Water bath	Equipment	2	BTL	
	Hematology		8	Centrifuge, table top	Equipment	1	Remi
		9	Refrigerator double door	Equipment	1	Samsung	
		10	Microscope, light, laboratory	Equipment	1	Olympus	
		11	Hematology analyzers, 3 part	Equipment	1	Systemex	
		12	Analyzer,coagulation semi automated	Equipment	1	Systemex	
Microbiology		13	Roller, mixer	Equipment	1	Remi	
		14	Blood culture system	Equipment	2	Vitek	
		15	Bio safety cabinet	Equipment	2	Labtop	
		16	Microscope	Equipment	2	JXL - WESWOX	
		17	Incubator	Equipment	4	Neokraft	
Wash and Sterilization		18	Hot air oven	Equipment	4	BTL	
		19	Autoclave	Equipment	1	NEUMANN AND MILLER	
Serology		20	Hot air oven	Equipment	2	BTL	
		21	Elisa Reader washer	Equipment	1	Transasia	
Clinical Pathology		22	Centrifuge	Equipment	1	Remi	
		23	ESR Analyser	Equipment	1	Bioline	
		24	VDRL Shaker	Equipment	1	Local Brand	
		25	Hot Air Oven	Equipment	1	BTL	
		26	Urine Analyser	Equipment	1	Transasia	
		27	Incubator	Equipment	1	Neokraft	
		28	Refrigerator	Equipment	1	Samsung	
		29	Microscopes	Equipment	5	JXL - WESWOX	
	Covid-19 Testing		30	Biosafety Cabinet	Equipment	2	ThermoFisher
			31	PCR	Equipment	1	ThermoFisher
			32	Modular BSL 2 Lab Setup	Furniture	1	Mehrotra Biotech
			33	Doctors Chairs	Furniture	20	Mehrotra Biotech
			34	Table	Furniture	10	Mehrotra Biotech
TRIAGE / OPD	1						
		1	Multiparameter monitor	Equipment	2	Philips Goldway	
		2	Defibrillator	Equipment	1	Philips Heartstart	
		3	Infusion pumps	Equipment	4	Mindray SP1	
		4	Plaster Cutter	Equipment	2	MediTouch	
		5	Suction machine	Equipment	2	Technocare	
		6	ECG Machine	Equipment	1	Contec	
		7	OMRON Blood Pressure Machine	Equipment	5	Omron	
		8	Infra-Red Thermometer	Equipment	10	Intex	
		9	Mini Pulse Ox (Finger Probe)	Equipment	10	Nonin	
		10	Blood Sugar Monitoring Machine	Equipment	25	Accucheck	
		11	Resuscitation Equipment	Equipment	30		
		12	Patient Bed Mechanical	Furniture	2	Stryker or Similar	
		13	Items for the hospital patient bed Blankets x2 Bed sheet x2 Pillows x2	Furniture	2	Stryker or Similar	
		14	Bedside Table	Furniture	2	Stryker or Similar	
		15	Footstep	Furniture	2	Stryker or Similar	
		16	Revolving Stool	Furniture	2	Medimek	
		17	Drip Stand	Furniture	2	Medimek	
		18	IV Pole	Furniture	2	Medimek	
		19	Monitor Stand	Furniture	2	Medimek	
		20	Waste Bins	Furniture	5	Medimek	
		21	Doctors Chair	Furniture	5	Medimek	
		22	Medical Examination Lamp	Furniture	1	Medimek	
		23	Storage Cabinets	Furniture	4	Medimek	
		24	Bedside Screen	Furniture	2	Medimek	
		25	Table	Furniture	5	Medimek	
		26	Chairs	Furniture	5	Medimek	
		27	Examination Couch	Furniture	1	Medimek	

BOQ

Facility	Beds/Units	Sn	Item	Type	QTY	Brand/Model
CSSD	1					
		1	Steam sterilizer	Equipment	1	Celitron
		2	ETO sterilizer	Equipment	1	3M GS8
		3	Ultrasonic Instrument washer /cleaner	Equipment	1	Periclave
		4	Drying Cabinet	Equipment	2	Reico
		5	Washer Disinfector	Equipment	2	Bioline
		6	Flash sterilizer	Equipment	1	Joel Class B
		7	Vertical Autoclave	Equipment	1	Neumann AND Miller NM-8770
		8	Tables	Furniture	10	Medimek
		9	Chairs	Furniture	10	Medimek
		10	SS Work Table with Double sink	Furniture	2	Medimek
		11	Drying Cabinet	Furniture	2	Medimek
		12	Control & Packing Table	Furniture	2	Medimek
		13	Pass box	Furniture	2	Medimek
		14	SS Closed Distribution Trolley	Furniture	2	Medimek
		15	SS Five shelf rack	Furniture	2	Medimek
		16	Linen Folding Table	Furniture	2	Medimek
		17	SS Perforeted Basket for Sterilizer	Furniture	4	Medimek
		18	SS Perforeted Basket for Washer Disinfector	Furniture	4	Medimek
		19	SS working table	Furniture	2	Medimek
Other Furniture / Equipment						
		1	Storage Cabinets	Furniture	15	Medimek
		2	Emergency Crash Cart	Furniture	10	Medimek
		3	Instrument Cum Dressing Trolley	Furniture	10	Medimek
		4	Wheelchair	Furniture	10	Medimek
		5	Patient Stretcher	Furniture	10	Medimek
		6	Lockers	Furniture	50	Medimek
		7	Vacuum Cleaner	Furniture	5	Medimek
		8	Ironing Machine	Equipment	2	Philips
		9	Washing Machine	Equipment	2	LG
		10	Microwave	Equipment	2	LG
		11	Medical Examination Light	Furniture	5	Medimek
Reception & Waiting						
		1	Reception Desk	Furniture	5	Medimek
		2	Office Chair	Furniture	10	Medimek
		4	Non-touch thermometer	Furniture	20	Medimek
		5	Waiting Area Table	Furniture	20	Medimek
		6	Chairs	Furniture	20	Medimek
		7	Trash Cans	Furniture	20	Medimek
		8	Lockers	Furniture	25	Medimek
(PPE/Consumables / Spare Parts available on request)						
(Any Pharmacy drugs related available on request)						

PRICING NOTES

- GST/ Sales Tax/Service Tax/ VAT/ Any Local levies etc will be charged extra as applicable
- Freight & Transit on Actuals
- Personnel cost inc. per-diem, travel, stay costs not included for Installation & Warranty Related Coverage
- Consumables, Spares and Utilities not included
- Quotes May Vary Depending On Vendor Chosen for Biomedical Equipment
- Warranty: 12 months from the date of installation or 13 months from the date of invoice whichever is earlier. Additional Warranty available @10% per year for period of 3 Years.
Additional Charges Mentioned above for total 3 years Warranty"
- Comprehensive Maintenance contract charges will be @10% of order value starting year 4 with 5% escalation for each subsequent year
- Water/ Electricity/Supply to be provided at site.

MIRAZ Emergency Medical Solutions (EMS) offers a variety of portable shelters and mobile field hospitals to enable communities and defense forces to rapidly respond to healthcare requirements & disasters in any location or terrain. Using an integrated network of rapid deployment structures systems that are flexible, sustainable and robust, we create modular solutions to cater for a wide range of field medical applications. Our solutions are transportable by tactical, operational and strategic mobility systems.

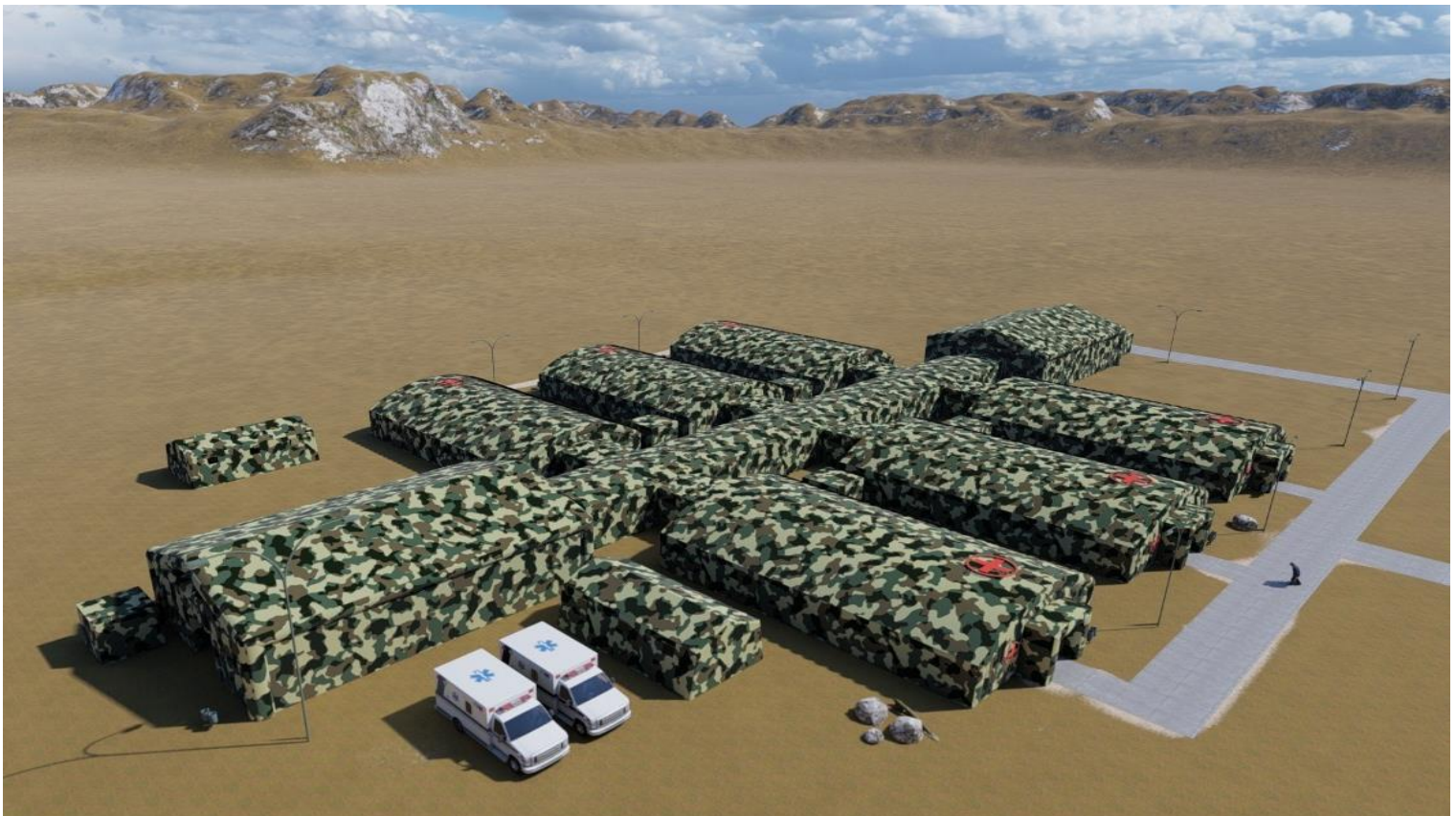
EMS offers solutions across the spectrum, covering NATO/WHO –Roles / Level 1-3 field hospitals ranging from 10-500 Beds. Different modules may be chosen, combined and used together depending on the requirements. Further modules can be added to allow field hospitals to expand and adapt as the requirements develop.

A COMPLETE SOLUTION

EMS also offers a wide range of fully customizable and integrated infrastructure solutions including all medical equipment designed to minimize costs and maximize functionality.

INCREASING EXISTING CAPACITY

Our EMS can be used by existing hospitals looking to rapidly increase their capacity and modernize the design of their facilities to improve overall efficiency and service.



MIRAZ_{EMS}

EMERGENCY MEDICAL SOLUTIONS

MIRAZ EMS provides healthcare facilities ranging from emergency medical tents to field hospitals as per NATO/WHO Level I, II, III guidelines. We offer solutions ranging from 10 Beds to 500 beds which can be customized for various medical needs. Each shelter is self-contained and has connectivity with other modules, enabling the capability to be scaled for whatever the requirements.

We provides health support across the world at three levels:

Level I: Emergency Medical-Care Stations

- Emergency Tents for outpatient /Triage / Quarantine / Isolation (Up to 25 Beds)
- Treating minor/common illnesses including Covid-19
- Basic wound care
- Advanced trauma and cardiac life support
- Basic surgery

Level II: Inflatable Field Hospital

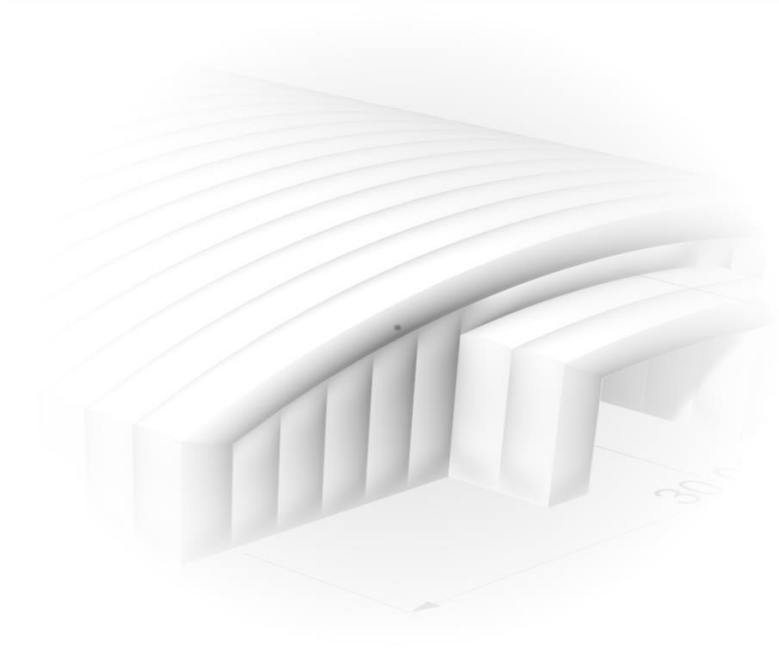
Level I +

- Integrated Hospital units with 25 - 50 Beds with Isolation Facility for COVID-19
- Wards including isolation and ICU units
- Operating room including pre-op and post-op areas
- Laboratory and radiology units
- General support facilities
(HVAC, Plumbing, Negative Pressure, Water, Electricity, Mobility,)

Level III: Inflatable Specialty Field Hospital

Level II+


- Integrated Hospital units with up to 500 Beds
- Resuscitation Facility
- Preventative & Rehabilitative care
- Multidisciplinary Medical Specialties



MIRAZ EMS

EMERGENCY MEDICAL SOLUTIONS

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