



INNOVARA MEGACORP LLP

LLPIN – ACK-2263
RAIPUR(C.G)



COMPLETE MEDICAL SOLUTIONS

2000+ Product portfolio in health equipment



GeM
Government
e Marketplace

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Company Overview



INNOVARA MEGACORP LLP is CERTIFIED:

- ❖ **ISO 9001:2015 * ISO 13485:2016 * ISO 14001:2015**
- ❖ **BSISO45001:2018 * ISO 16603:2004 ISO 22612:2005**
- ❖ **BSEN60601-2-52:2010+A1:2015 Medical electrical equipment.**

We take this opportunity to introduce INNOVARA MEGACORP LLP as one of the leading organizations in Medical Hospitality.

Exploring newer pastures for over 10 years, Innovara Megacorp has executed various projects ranging from :

- * Modular Operation Theater**
- * Modular ICU/CCU/HDU**
- * Modular Laboure Room**
- * PSA Oxygen Plant of Required LPM**
- * Ambulance- Patient, OT, ICU, Path-lab Ambulance.**
- * Auditoriums.**
- * Multipurpose Halls.**

Our much-honored clients include various Government Departments, who with great confidence prove to be a testimony for the quality and punctuality in our execution. Well supported by a fully trained, dedicated and an expert team, we work tirelessly to live up to our client's satisfaction. Technically we are well equipped with the latest models of tools and machinery required for the execution of our projects.

Our Esteemed Client :

- ✓ **Chief Medical & Health Officer Raipur (C.G.)**
- ✓ **Civil Surgeon Cum Hospital Superintendent District Hospital Raipur (C.G.)**
- ✓ **Chief Medical & Health Officer Bijapur (C.G.)**
- ✓ **Civil Surgeon Cum Hospital Superintendent District Hospital Bijapur (C.G.)**
- ✓ **Chief Medical & Health Officer Shahdol (M.P.)**
- ✓ **Civil Surgeon Cum Hospital Superintendent District Hospital Shahdol (M.P.)**
- ✓ **Chief Medical & Health Officer Dantewada(C.G.)**
- ✓ **Chief Medical & Health Officer Katni (M.P.)**
- ✓ **Chief Medical & Health Officer Narayanpur (C.G.)**
- ✓ **Block Medical Officer Sitapur, Dist.– Jashpur (C.G.)**
- ✓ **Medical College Shahdol, Dist.– Shahdol (M.P.)**

Product List

PORTABLE ECG MACHINE

Channel - 32 channels of EG

Sampling rate -200 dots/s

Accuracy -12bit

Input impedance $\geq 10\text{M}\Omega$

Patient leak current $<$

$10\mu\text{A}$ **Noise level** $\leq 5\mu\text{Vp-p}$

CMRR $\geq 90\text{dB}$

Magnification multiple -10000

Filter constant - all digital and free enactment

Display speed(paper speed) -5, 10, 15, 30, 60, 120 mm/s

Amplitude: -1, 1.5, 2, 3, 5, 7.5, 10, 12, 15, 20, 30, 50 mm/50 μV

Playback speed -1 time, 2 times, 3 times, 10 times, 20 times, 40 times, 60 times

50Hz interference suppression $\geq 30\text{dB}$

Safety type -Class II, type BF applied part



ICU BEDS

Features:

- 1) Overall size (L*W*H): 2150*1050*450-700mm
- 2) Frame: steel, treated by sand-blasting and electrostatic powder-coating
- 3) Bedboard: steel, 4-part
- 4) Headboard/footboard : ABS, Detachable
- 5) Side rail: Detachable, ABS
- 6) Handset controller: remote, movable
- 7) Motor: brand motor
- 8) Castors: four Central-controlled silent wheels, $\phi 125\text{mm}$
- 9) Weight load 250kg

Function:

- 1) Backrest max upward angle: 70°
- 2) Footrest max upward angle: 30°
- 3) Height adjustment: 450-700mm
- 4) Trendelenburg: 12°
- 5) Antitrendelenburg: 12°





Ventilator Invasive

Modes of Ventilation Volume Controlled

Ventilation Invasive Modes Non-Invasive Modes

O₂ Therapy HFNC

(High Flow Oxygen Therapy)* Pressure Controlled

Ventilation Spontaneous Breathing Support Therapy type

Types of Patients Supported VC-CMV VC-AC VC-SIMV

PRVC-CMV PRVC-AC PRVC-SIMV

PC-CMV PC-AC PC-SIMV CPAP with Apnea Backup

Ventilation Duo-Vent PSV with Apnea Backup Ventilation

APRV Invasive Ventilation Non-invasive

Ventilation (NIV) O₂ therapy Adults and Paediatric

*HFNC accessories are not included with the ventilator and have to be ordered separately

Respiratory Rate (RR) Peak Inspiratory Pressure PEEP

Pressure Support Inspiratory Time (Ti) I:E Ratio Tidal

Volume (VT) Inspiratory Flow Rate Trigger Flow Sensitivity

Volume Accuracy O₂ concentration (FiO₂) FiO₂ control

Recruitment Tools Leak Detection and Compensation O₂

Therapy Nebulizer Oxygen Input Screen Dimensions

Patient Unit Weight Battery Battery Back-up Time Mains

Input Input Current Power Consumption 1 - 60 BPM 50 cm

of H₂O 0 - 50 cm of H₂O 0 - 50 cm of H₂O 0.2 - 5 s 1:6 to

6:1 50 - 2000 mL 280 L/min (Internally restricted to 160 L/min) 1 - 20

L/min 2 - 3% of full scale between 10 L/min - 80 L/min 21

- 100 % Closed loop electronic manipulation Inspiration

Hold Expiration Hold Up to 200 ml Continuous flow 0 -

80 L/min Concentration 21 - 100 % for 5, 6, 7, 8,

9, 10 minutes Synced with Inspiratory Phase * 45 - 60 PSIG 10" TFT LCD

Touchscreen 395 X 340 X 255 mm ~ 10.1 Kg Patient Unit

~ 25 Kg with trolley Lithium, Internal Up to 8 hours 200 -

240V AC, 50 - 60 Hz

<150w Compliant with IEC 60601-1 Standard





High Flow Nasal Cannula

Technical Specification Physical Characteristics Dimensions 343 mm*165mm*195mm Weight 3.5 kg Turbine High performance, low noise Battery >30 min (NF1,2,5 only) Screen Screen Size: 4.3" touch screen Heating Fast heat Using the MR290

humidification tank, it reaches 31 °C in 10 minutes and 37 °C in 30 minutes under 35 L/Min flow and initial temperature of 23 ± 2 °C

Control Method

NF1: Flowmeter NF2,3,5: Electronic mixer O₂%: 21 - 100% (increments of 1 %)

O₂ flow input range NF1; O₂ float flowmeter, the available options are 0 ~ 30 L/Min and 0 ~ 50 L/Min NF2/NF3/NF5:

Flow range:

0 ~ 80 L/Min Flow rate Adult : 10-80L/Min (NF2,3,5) 10-60L/Min

(NF1) Child : 2-30L/Min Temp Adult : 31~37°C Child : 34°C

Temp adjustment 3 for NF1,2 7 for NF3,5 Humidity @37°C:

Catage 1 (>33 mg/L) @2~60L/Min Other: Catage 2 (>12 mg/L)

Flow rate ±1 L/Min or

±10% of the set value, whichever is higher Temp ±2 °C of the set value

Special Function SpO₂ monitoring COMEN, MASIMO, NELLCOR

Fast O₂ flush Yes Trend 7 days (168h) graphical and tabular trend

Auxiliary O₂ supply 0-30L/Min (NF2,4,5 only) Auto refill Watertank can add water

automatically Timer Filter change reminder 1000 hrs Alarm SpO₂ Too low

or too high PR Too low or too high Check Tube Check for leaks Check for

blockages O₂ concentration Too low or too high O₂ supply pressure Too

low or too high Cannot reach target flow Check water Cannot reach target

temperature Check operating conditions Power out I/O Communication

interface RJ45 network interface, USB port Trolley Dimensions 480mm*

480mm*1590mm Plate height 600mm Accuracy O₂%: ±3 vol.% of the set value Weight 5.7 kg



Micro Infusion Pump

Infusion rate - 0.1-

1200ml/h Infusion

accuracy - ±5%

Applicable infusion set -Various brands of standard infusion set

Volume to be infused(VTBI) -0-

9999(ml) Volume infused -0-

36000(ml)

KVO rate -1-5ml/h Bolus rate -300-

1200ml/h Infusion mode -Rate mode Drip

mode -Time mode Bodyweight mode Drug

library mode(optional) Intermittent infusion

mode(optional) Purge rate- 600ml/h

Adjustable buzzer volume -KVO

Removable pump body for easy

cleaning Power supply -DC:12±1.2V

AC:100~240V,50/60HZ Power

consumption - 25VA





Defibrillator/ Cardioverter

Display

Screen Type : High-resolution display

Screen Size : 7 inches(17.7 cm)

diagonally Sweep Speed : 25mm/sec

Information : Heart Rate, Lead/Pads, Alarm

On/Off, SpO2, AED Functions and Prompts,

Alarm Selection and Limits, Delivered Energy

Defibrillator

Waveform : Biphasic

Monitor display indicates both selected and delivered energy

Charge Prompt Type : Voice and visual prompts

Electrode Impedance Measurement Range : 0-250

ohms **ECG Monitoring**

Patient Connection : 3-lead ECG cable, or 5-lead ECG cable, paddles

Lead Selection : Displayed on monitor, paddles, I, II, IAVR, AVC, AVF, V

ECG Size : 0.25, 0.5, 1, 1.5, 2, 4 cm/mV display on monitor. Heart Rate : 20-300BPM

Heart Rate Alarm : On/Off displayed on monitor, user-selectable Smart Alarms : Beeper/voice prompts indicate shockable rhythm



Portable Suction

High negative pressure and low flow

power supply : rated voltage 220V, rated frequency

50Hz Input power : $\leq 90\text{VA}$

Negative pressure limit : $0.08\text{MPa} \pm 0.01\text{MPa}$

Range of negative pressure : the negative pressure is adjustable from 0.03MPa to the negative pressure limit.

Instantaneous pumping speed :

$\geq 15\text{L/min}$ Noise : $\leq 65\text{dB(A)}$

Reservoir bottle : 1000mL, one piece

Blown fuse : F1.5AL 250V

$\phi 5 \times 20\text{mm}$ Dimensions :

$280\text{mm} \times 196\text{mm} \times 285\text{mm}$ Weight :

4.4kg



Incubator



- Should be a controller based with timing function
- Interior should be made up of polished stainless steel with rounded corners for easy & quick cleaning
- The space between the shelves should be adjustable
- Should have full inner glass door for easy observation.
- Should give over temperature and temperature difference alarm
- Temperature range should be $RT + 5^{\circ} \sim 65^{\circ}C$
- Type of heating should be forced air convection type
- Should have minimum 2 shelves.
- Instrument should be CE/FDA certified
- Instrument should be supplied complete with standard accessories

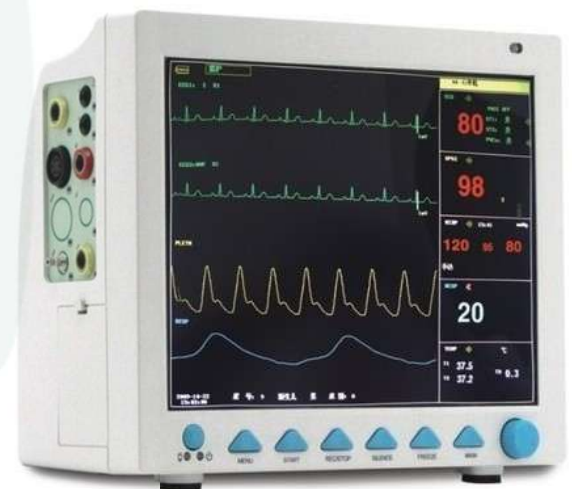


Multi-Para-Monitor



Features

- 1) 12.1" TFT color LCD, multi-language interface (Simplified Chinese, Traditional Chinese, English, French, German, Turkish, Spanish, Portuguese, Italian, Dutch, Romanian, Russian, Kazakh, Polish, Czech).
- 2) Fanless design, quiet, energy-saving and clean, which reduces the possibility of cross-infection.
- 3) All-round monitor for adult, pediatric and neonate.
- 4) With standard interface, oxygen graph, trend graph, big character interface and view bed, convenient to observe.
- 5) Finish all operations by keys and knobs.
- 6) Maximum 8-channel waveform synchronous display.
- 7) Display 7-lead ECG waveform on one screen, cascade ECG waveform display.
- 8) Adopt digital SpO2 technology, anti-motion and anti-ambient light interference, and measurement can be performed under the circumstance of weak filling.
- 9) Heart rate variability (HRV) analysis function.
- 10) NIBP measurement mode: Manual/AUTO/STAT, storage for 4800-group NIBP data.
- 11) Review for 71 alarm events of all parameters and 60 arrhythmia alarm events.
- 12) Drug concentration calculation and titration table functions.
- 13) One-touch printing of trend graph.





C-PAP MACHINE

Ventilation modes: CPAP,S,T,S/T

Frequency : Adjusting range:3bpm-

40bpm Increment:1bpm

Inspiration time : Adjusting

range:0-3s Increment:0.1s

IPAP : Adjusting range:4cmH₂O-

25cmH₂O EPAP : Adjusting

range:4cmH₂O-20cmH₂O

Increment:0.5cmH₂O

CPAP : Adjusting range:4cmH₂O-

20cmH₂O Increment:0.5cmH₂O

Ramp time : Adjusting range:0-

60min Increment:1min

Rise time : Adjusting range:0.1s-0.5s

Inspiration trigger : Adjusting range: auto

adjusting, 1-3 Expiration trigger : Adjusting range:



AIR MATTRESS





Hydraulic O.T Table(C-Arm Compatible)

FEATURES

- Hydraulic and Mechanical bed.
- Leg & Head section are interchangeable.
- Eccentric pillars, Stainless fitting.
- Detachable head, leg and pelvic section.
- Five sectional radio-translucent.

top for precise patient positioning.

TECHNICAL DATA

Top Dimension	L 1900mm x W 520mm
Height Adjustment	762mm - 1000 mm
Trendelenburg / Reverse	30° / 25°
Lateral Tilt	20° / 20°
Kidney Elevator	150 mm
Back Rest (up / down)	80° / 25°
Leg Rest (up / down)	15° / 90°
Head Rest (up / down)	20° / 60°
Patient Weight Capacity	200 Kgs

Rust Proof / SS 304

Concealed Pump



Basic Life Support Ambulance



Ambulance



Oxygen Flow Meter



NIV Mask



Pulse Oximeter



N-95 Mask



Sanitizer



Hand Wash



Triple Layer Face Mask



Shoes Cover



Nitrile Gloves



Surgical Gloves





Medicines :

- Azithromycine 500mg Tab.
- Doxycycline 100mg Tab.
- Omiparazole
- Vitamin C
- Zinc 20mg Tab.



Medical Gas Pipeline System

- Oxygen- semi automatic control panel (incl all accessories with installation)

Semi- Automatic control panel should be constructed in accordance with the requirement of international standards. (Indian make) with automatic change over from running bank to reserve bank of cylinder and having non balogenated polymer in the high pressure side of primary regulators and 20-40 micron inlet filter and piston type regulator the semi – automatic oxygen control panel should comply with HTM 02-01/ NFPA99C/ DEN/EN it should be European CE Certified or UL listed under Medical Devices Directive.

- Oxygen – fully Automatic Control Panel (Incl. all accessories with installation)

Automatic control panel should be constructed in accordance with the requirement of international standards. The fully Automatic Oxygen control Panel should comply with HTM 02-01/NFPA 99C/DIN/EN It should be European CE Certified or UL listed under Medical Devices Directive.

- Gas manifold for Oxygen 2+1 (Incl. all accessories with installation) Manifold Shall consist of two high pressure headerbar assemblies to facilitate connection of primary and secondary cylinder supplies the Quantity of which shall be 2/4/8- cylinder configuration Oxygen Manifold complete with tail pipe, NRV and Pressure side of the regulator.
- Emergency Manifold Oxygen. 2 Cylinder (Incl. all accessories with installation) will be same as primary manifold system will be used as emergency backup
- Vacuum System (2hpx2) (Incl. all accessories with installation) Dry Air vacuum pumps with receiver, filters, Electricals, bacterial filter, for vacuum system, model MV25G with end conn. 1” BSPF for removal of bacteria down to 0.0001% penetration when tested to BS3928 efficiency exceeding the requirement of HTM 2022 for infectious diseases.
- Copper Pipes (Incl. all accessories with installation)





AIR HANDLING UNIT

Components of Air Handling Unit

Here are some of the air handling unit components that may be contained in the equipment.

Housing

The housing that contains all the other components of an AHU is usually made of metal, some are painted to prevent corrosion.

In sections where the fans and the coil are located, 1-2 inches of polyurethane foam or PU is used to insulate them to prevent the condensation on the panel. Drain pan is also used as a precaution in the event of condensation of water.

Fan

Centrifugal fan is used to circulate the air to the various parts of the sections in the building. The typical types of fan available are Backward Inclined, Backward Curved, Forward Curved and Airfoil.

The selection of the fan will depend on the air volume and the static pressure required of the system. Usually, the designer of the system will use a specialized software to do this selection.

Cooling Coil

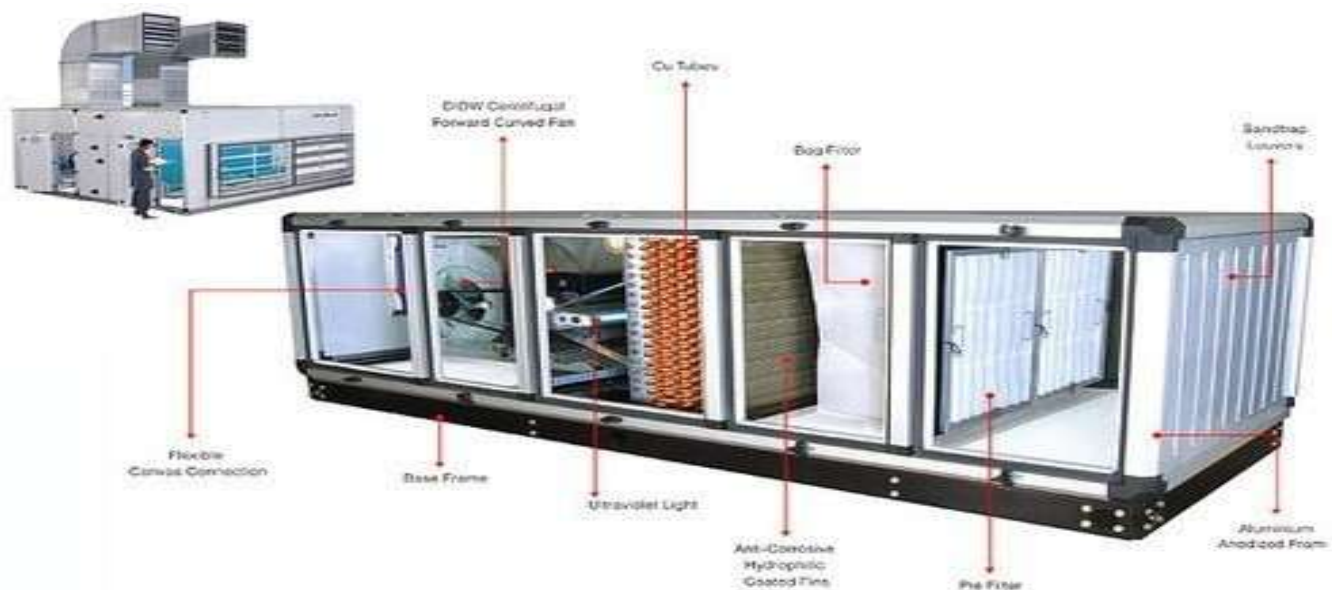
Cooling Coil is used to cool and dehumidify the air. Both DX (direct expansion) cooling and CW (chilled water) cooling coils are available for use depending on the system design.

These coils are arranged in rows with different fin spacing. Aluminium fins and copper tubes are used in the design of the coils. The corrosion resistance hydrophilic fins are also used due to its lower cost and lower resistance to the air velocity.

Filters

Filters are to remove particles and contaminants of various sizes from the air. The type of air filter being used will very much depend on the application of the system.

Panel Filter is a flat and rectangular in shape and provides a minimum low efficiency filtration which is acceptable to the air conditioning industry. The high velocity filter is arranged vertically whereas the low velocity filter is arranged in V shape. Typical air velocity that moves through the filters is in the range of 2-3 m/s.





PSA Oxygen Generator

Please go through the attached P&ID. The Oxygen gas is produced from at most pharisaic by Pressure Swing Adsorption(PSA)principle in which nitrogen gas is adsorbed using special grade of Imported ZMS. The Compressed air will enters into the air receives. This air will be passed through refrigerated air dryer &three stage filtration system, so the feed air will become dry &clean. Now this dry & clean compressed air will enter in to the twin tower PSA module which is packed with special grade of ZMS. When one tower is in nitrogen production cycle, at the same time another r one under goes in regeneration cycle through automatic change over valves. The entire operation of change over valves is automatic & controlled by the PLC. Generally the time cycle for changeover of PSA twin tower is of 1 + 1 minute. The product oxygen gas produced by PSA twin tower module goes into the surge vessel. From surge vessel Oxygen gas having purity of93.0% (+/-2%) will be sent to Oxygen Receiver for storage or can be use as per the requirement.



SWEEPING MACHINES



Ride On Sweeping Machine



Automatic Ride On Sweeping Machine



Road Cleaning Sweeping Machine



Manual Sweeping Machines



CLEANING CHEMICALS

Products



Emerald Ecolabel



Essence Autumr



Klar Cleaning Agent



Meteor Parquet Cleaning Agents



SCRUBBING MACHINE



Product



Compact Scrubbing Machine



Flinnr Cleaning Scrubbing Machine



Heavy Duty Scrubbing Machine



Industrial Scrubbing Machine



OTHER PRODUCTS:



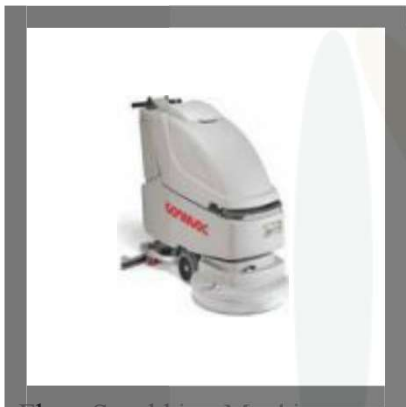
Product



Compact Scrubbing Machine



Walk Behind Scrubbing Machine



Floor Scrubbing Machine



Scrubbing Machine



Thank You
For pricing & Quotation

Contact us : 6261488793
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