

**SPECIFICATIONS OF MEDICAL DIAGNOSTIC ITEMS**

**Specification of Bi-PAP Machine**

SN	Parameter	Specification
1	Usage	To aid in breathing during respiratory failure in COPD patient
2	Operational Requirements	Operable on AC and DC power supply and intended to be used as a bedside device in ICU/HCU/Chest Ward.
3	System Configuration	Auto Bi-PAP Machine. Easily fitting silicone gel different sized face masks and head straps.
4	Technical Specifications	IPAP 4 - 30 cm.
		EPAP 4 - 25 cm.
		Bi level pressure range : 3 - 25 cm H2O ( 0.5 cm H2O increments).
		Rise Time 100 - 600 msec.
		Automatic Altitude Adjustment.
		DC Operable
		ABOB analog output for PSG
		Automatic Leak Compensation
		Therapy Compliance Meter
Auto on and off feature		
5	Accessories, spares and consumables	All standard accessories/ consumables/ parts should be included All standard maintenance tools and cleaning/lubrication materials should be included
		Travel bag (carrying cases)
		Large slip - resistant pads on bottom of each unit to minimize movement on nightstand.
		Medium sized easy fitting silk gel face mask
		Head strap.
		Humidifier chamber with over fill protection, corrosive resistant, SS plate, around 500ml capacity for 8hr use at the highest setting
6	Standard	ISO, CE or USFDA certified product certificate at the time of bidding.
7	Power Supply	220 VAC, 50 Hz, fitted with appropriate power cable of at least 3 meter in length.
		Inbuilt battery backup of more than 1 hour.
8	User Training	The training should include hands on training to the user physician in the institution where the equipment is being used. It should also include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.
9	Terms and Conditions	Comprehensive warranty for 2 yrs and extra one year of AMC from the date of installation.
		Authorized sales agent, trained engineer and after sales service for quoted model of machine must be locally and nationally available.
		The equipment must be brand new
		Date of manufacture should not be more than 2 yrs at the time of delivery.
10	Maintenance/Service during warranty period	The supplier must accomplish proper installations and commissioning of the equipment on site. Free Installation.
		During the warranty period, the supplier must ensure preventive maintenance and corrective/ breakdown maintenance whenever required free of cost.
11	Documentation	Must provide user (Operating) manual in English.
		Must provide Service (Technical/Maintenance) manual in English.
		List of important spare parts and accessories with their part, number and cost. Certificate of calibration and inspection for the factory.

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12	Recommended Company	ResMed, Philips, Devilbiss or equivalent.
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**Specification of BMI Machine**

S.N.	Parameters	Technical Specification
1	Usage	For measurement of Body Mass Index
2	Features	Ultrasonic weight Measurement
		Precise Sensor Weight Measurement with BMI
		Fat Measurement & Body Composition
		Blood Pressure & Pulse Measurement
		Infrared Body Temperature Measurement
		Operation Process Voice Prompt
		Multi -Media min10" digital Screen
3	Height measurement range	100-200 cm
4	Minimum division (height)	0.5 cm
5	Weight measurement range	8-200 kg
6	Minimum division (weight)	0.1 kg
7	Pulse	40-180 times/min
8	Power Supply	220 VAC, 50 Hz
9	Standard	ISO and CE Certified or equivalent
10	Warranty	Two years from date of installation
11	Terms and conditions	Brand new
		Date of manufacture should be less than two years at the time of delivery
		Should provide user manual in English
		Should provide service manual in English
		Free installation
		Installation is the responsibility of supplier
12	Recommended Company	Evana- X80, Sangong, DHM or equivalent

**Specifications of Stainless Steel Clip Boards**

SN	Parameters	Technical Specifications
1	Usage	Stainless steel clipboards for easy document storage in hygiene conscious environments
2	Feature	Material: 304 grade stainless steel construction
		Can be easily clipped for storage of patient records
		Complete with stainless steel clip to secure documents
		Size: A4 with wall hanging clip
3	Standards	CE/ ISO or equivalent
4	Terms and condition	Date of manufacture must be less than 2 years at the time of delivery, Brand New
5	Warranty	Minimum 1 year

**Specifications of Finger tip Pulse Oximeter**

S.N	Parameters	Technical Specifications
1	Usage	To measure and display the oxygen saturation
2	Features	SPO2 & heart rated display, battery operated (rechargeable with charger and 1 set spare battery)

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