

Microwave Therapy

1	Description of Function
1.1	Diathermy machine that uses microwave radiation as a source of heat for pain management.
2	Operational Requirements
2.1	Microwave diathermy with patient coach and a computerized lumbar traction unit.
3	System Configuration
3.1	Microwave Diathermy Unit cum Computerized Traction Unit with all standard accessories.
4	4 Technical Specifications
4.1	Couch of metal frame with padded top and dimensions of at least 1900 mm length, 720mm width and 650mm height.
4.2	Couch must have the provision for attachments of Diathermy & Traction unit.
4.3	Microwave Diathermy Unit - 2450 MHz, Pulse Peak – 1500 W.
4.4	Must be able to move under the couch.
4.5	Therapy Time – 0-30 min.
4.6	Traction Unit:
	<input type="checkbox"/> Computerized, programmed and programmable.
	<input type="checkbox"/> Able to provide static, intermittent, pulsating and combination forces in lumbar as well as cervical traction.
	<input type="checkbox"/> Safety switch.
	<input type="checkbox"/> Maximum lumbar force up to 60 Kg.
	<input type="checkbox"/> Maximum Cervical force up to 20 Kg.
5	Accessories, spares and consumables
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).
6	Operating Environment
6.1	The system offered shall be designed to store and to operate normally under the conditions of Sudan The conditions include Power Supply, Climate, Temperature, Humidity, etc.
6.2	Power supply: 220-240V/ 50 Hz AC Single phase fitted with appropriate plug to meet purchaser's country requirements. The power cable must be minimum 3m long.
7	Standards and Safety Requirements
7.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 AND
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.
7.3	Shall meet IEC-60601-2-6 Part 2: Particular Requirements for the safety of Microwave Therapy Equipment.
8	User Training
8.1	Must provide user training (including how to use and maintain the equipment).
9	Warranty
9.1	Comprehensive warranty for 2 years.
10	Maintenance Service During Warranty Period
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.
11	Installation and Commissioning
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.
12	Documentation
12.1	User (Operating) manual in English.
12.2	Service (Technical / Maintenance) manual in English.
12.3	List of important spare parts and accessories with their part numbers and costing.
12.4	Certificate of calibration and inspection from factory.