

Cochlear Implant System - Tender 11/2017

No.	Technical specification	Qty.	Compliant (Yes/ No)	Fill Your Specifications	Remarks
1	Discription of Function				
	A cochlear implant is as surgically implanted electronic device that provides a sense of sound to a person who is profoundly deaf or severely hard of hearing in both ears				
	Implant hermetically sealed titanium case of non-reactive material.				
	Model No.:				
2	Operrational Requirements				
	Internal impant				
	Speech Processor				
	External Components				
	Power source				
3	Technical specification				
3.1	Internal impant:				
	Model No.:				
	a. Multiple electrode channels minimum of 10, smooth outer surface for atraumatic insertion				
	b. Availability of various options for active electrodes, when needed for use in cases of different cochlear anomalies.				
	c. Multiple simultaneous independent current sources				
	d. Specify stimulation rate, spectral bands and number of independent current sources in.				
3.2	Speech Processor:				
	Model No.:				
	a. Options of Behind The Ear (BTE) Speech Processor with the ability to store multiple programmes				
	b. Microphone at head/ear level.				
	c. Should have wide input dynamic range of approx 65 DB or more with automatic sound management.				
	d. The sound management should be fully automatic with no manual switches to change the program.				
	e. Should have minimum frequency range of up to 8000 Hz				
3.3	Power source:				
	Model No.:				
	a. Rechargeable batteries with charger.				
	b. Rechargeable battery pack (an extra rechargeable battery for each device).				
3.4	External Components:				
	Model No.:				
	a. Robust and long lasting, resistance against non-condensing moisture.				
	Infra-structure Support:				
	a. Implant specific surgical kit should be provided free of cost.				
	b. An extra spare parts kit should be provided free of cost.				
	c. Upgrade to be provided free of cost as and when necessary during warranty period.				
	Ability to test implant and electrode integrity and function both inter-operatively and post-operatively.				
	Compatibility with standard FM based.				
	Telephone compatibility.				
4	Standards and Safety Requirements				
	Should be CE or FDA approval for complete implant system.				
5	Warranty:				
	a. Cochlear Implant: Comprehensive warranty for 10 years from the date of surgery.				
	b. External components: Comprehensive warranty for 3years from the date of switch on.				
	c. Consumable such as batteries chargers, rechargeable batteries: 2 years from the date of switch on.				
6	Maintenance service during Warranty period:				
	For hardware, software and programming related problem should be provided as and when required within 24 hours.				
7	Training:				
	a. Training of medical and paramedical personal and to be provided by the agent as and when required.				

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	b. Training should include surgical procedures/techniques.				
	c. The details of training programm & Cost (USD)				
8	Documentation:				
	List of spare part and accessories with their part numbers and costing (USD)				
	Certificate of calibration and inspection from factory				