

AMDA-Nepal
Siddhartha Children And Women Hospital
Butwal-7, Rupandehi

Technical Specification portable fetal Doppler

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes/No)	Reference Page No.	Remarks
	Fetal Doppler			
	Manufacturer:			
	Brand:			
	Type / Model:			
	Country of Origin:			
1	Description of Function			
1.1	A portable handheld fetal Doppler designed for non-invasive detection and monitoring of fetal heart rate. It provides fetal heart-rate readings on a backlit LCD display along with audible fetal heart sounds and adjustable alarm limits.			
2	Operational Requirements			
2.1	The device features simple button-operated controls, real-time, average and manual operating modes, battery-status indication, and automatic power-off when no fetal signal is detected. It supports interchangeable waterproof 2 MHz and optional 3 MHz probes.			
3	System Configuration			
3.1	The system consists of a handheld fetal Doppler unit with a 2 MHz fetal probe, carrying bag/case, and compatible earphone. It operates using 2 × 1.5 V AA batteries or a compatible rechargeable battery			
4	Technical Specifications			
4.1	The device should have a 2 MHz standard operating frequency			
4.2	The device must support a 3 MHz probe as an optional configuration.			
4.3	It must have an FHR measurement range of 50–240 bpm			
4.4	The device should have a backlit LCD display			
4.5	The display shall show FHR, operating mode, battery status and relevant signal information			
4.6	The device should have real-time, average and manual operating modes.			
4.7	The lower alarm limit must be adjustable from 50–120 bpm.			
4.8	The upper alarm limit must be adjustable from			

	160-240 bpm			
4.9	The probe should be waterproof and suitable for fetal heart-rate detection			
5	Accessories, Spares and Consumables			
5.1	The supplier shall provide all standard items and components required for normal operation of the system			
5.2	Includes 2 MHz fetal probe, carrying bag/case, compatible earphone, and batteries			
6	Operating Environment			
6.1	It operates using 2 × 1.5 V AA batteries or a compatible rechargeable battery			
6	Standards and Safety Requirements			
6.1	Must submit ISO 13485			
6.2	Must submit CE certificate.			
7	Warranty			
7.1	Comprehensive warranty for 1 years after acceptance			
8	Maintenance Service During Warranty Period			
8.1	During warranty period supplier must ensure preventive maintenance & corrective/breakdown maintenance whenever required.			
9	Documentation			
9.1	User (Operating) manual in English			
9.2	Certificate of calibration and inspection from factory.			
9.3	Must submit valid authorization letter			

Note:

- I. The bidder must completely fill the technical specification form (TSF). Only Yes/ No /All complies should not be written.
- II. Commitment letter and documents must be provided in separate letter head also.
- III. Evaluations, will be done on the basis of documents submitted by the bidder. All sorts of documents, brochures, certificates , letters, manuals will be cross checked and verified in internet browsers, clarifications (if needed) .Failure in doing so may lead to rejection of bid from technical committee.