

Bid Document

Bid Details	
Bid End Date/Time	28-07-2020 11:00:00
Bid Opening Date/Time	28-07-2020 11:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Pmo
Department Name	Department Of Atomic Energy
Organisation Name	Nuclear Power Corporation Of India Limited
Office Name	Boisar Maharashtra
Total Quantity	2
Item Category	CTG Machine (Cardio Tocography) -Fetal Monitor
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Inspection Required	No
Estimated Bid Value	40000

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

CTG Machine (Cardio Tocography) -Fetal Monitor (2 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERAL FEATURES	Product description	CTG Machine (Cardio Tocography)-Fetal Monitor	*
	Type	Trolley mounted	Trolley mounted
	Clinical purpose	For recording and analyzing the Fetal Heart Rate (FHR) and contractions of uterus during antepartum and intrapartum period	*
PRODUCT & FUNCTIONAL REQUIREMENTS	Advanced digital signal process	Yes	*
	Toco and Maternally sensed fetal movements are detected both manually	Yes	*
	Facility of twin monitoring	Yes	*
	Display of FHR upto twins FHR1, FHR2 and Toco	Yes	*
	Heart rate offset mode to visually distinguish between the heart rates of twins with ability to offset the secondary FHR by atleast 20bpm	Yes	*
	Capable to simultaneously provide integrated fetal heart rate (FHR) and Uterine activity	Yes	*
	Blinking correspondence to each beat	Yes	*
	In-built / Separate Acoustic Stimulator with a separate marker on the graph for acoustic stimulators	Yes	Yes
	Ultrasound transducer for measuring fetal heart rate with auto correlation	Yes	*
	Pulse Doppler transducer frequency (MHz)	=< 1.5	*
	Pulse Doppler with 7 to 9 elements/crystal design for better sensitivity	6 to 9	6 to 9
	Transducer should be waterproof	Yes	*
	Fetal Heart Rate measurements Range (BPM)	30 to 240	30 to 240
	FHR measurement tolerance (BPM)	+/-1	*
	Intensity of ultrasound transducer(mW/Sq Cm)	5	*
	User adjustable audio visual alarm for fetal heart rate (FHR)	Yes	*
	High alarm range (bpm)	160 to 180	*

	Low alarm range (bpm)	90 to 120	*
	Auto timer for NST tracing	Yes	Yes
	External Toco transducer unit, sealed waterproof and designed with guard ring to reduce maternal respiration artifact	Yes	*
	Strain gauge sensor element for measuring uterine tone contraction	Yes	*
	Toco Transducer measurement range, (Units)	0 to 100	*
	Resolution for transducer measurement, (Units)	+/-1	*
	Recorder for Fetal Heart Rate and Uterine contractions	Yes	*
	Computerized trace interpretation should be provided for antepartum monitoring of high risk pregnancies	Yes	Yes
	Digital display or waveform of Tabular/Graphical data of the patient containing the details viz Patient Name, ID, date and time for minimum of 24 hours	Yes	*
	Suitable trolley with castor wheels, cover and locking facility with provision for parking the transducer etc	Yes	Yes
	Size (LxWxH) (mmxmmxmm)	-	*
	Weight (Kg)	2.5	*
ELECTRICAL REQUIREMENTS	Power supply	220+/-10% V, 50/60 Hz, AC Single phase	*
	Input power (Watts)	50	*
	In-built rechargeable battery	Yes	*
	Type of battery	Li-ion	*
	Battery back up (hrs)	4	4
	Auto power off when machine is not in use for more than a preset time (minutes)	Yes	*
USER INTERFACE	Colour screen monitor type	TFT	TFT
	Flat panel display, tiltable and foldable	Yes	Yes
	Touch screen display	No	No
	Display monitor size (inch)	7-8	7-8

	Built-in Printer to print patient data & Test Results	Yes	*
	Type of printer	High resolution Thermal printer	*
	Selectable Print speed for real time traces (Cm/minute)	3	*
	Print media	Z folded Thermo sensitive paper	*
	Print media sheet size (mmxmm)	-	*
	Patient data storage and trend graph for 48 to 72 hrs with fast printing facility of stored data	Yes	*
	Fast print speed for printing stored data (Cm/minute)	3	3
	FHR Chart printing width (mm)	80	80
	Toco Chart printing width (mm)	40	40
	Memory for storage of records (hrs)	10	10
	Machine should be compatible with wireless connection system for central monitoring	Yes	*
	Machine should be compatible with wired connection system for central monitoring	Yes	*
LIST OF ACCESSORIES	FHR probe (No)	2	2
	TOCO probe (No)	1	1
	Event Marker (No)	1	1
	Fetal Simulator (No)	1	1
	Probe belt (No)	3	3
	Ultrasound gel (No)	10	10
	Power Cable (No)	1	1
	Compatible size of z folded thermal sensitive continuous paper in packets of 150 sheets each (Number of Packets)	20	20
PACKING MODE	The product is packed individually in a box with all its accessories in such a way that there will be no damage during transportation	Yes	*
ENVIRONMENTAL CONSIDERATIONS	Storage conditions	Temperature -10 deg C to 40 deg C, RH not more than 85%	*

	Work or usage environment	Temperature 5 deg C to 40 deg C, RH not more than 85%	*
CERTIFICATIONS & REPORTS	Submission of Test Report from Central Govt/NABL/ILAC accredited Lab to prove the conformity to declared specification to the buyer on demand	YES	*
	Product certification	EU-CE	*
	Four digit number of notified body If product is EU-CE certified	843	*
	Certificate No	-	*
	Certificate date	-	*
	Certificate issuing authority	-	*
	Certification, performance and safety standards specific to the device	-	*
	Submission of all the certifications and test reports to the buyer on demand	Yes	*
INSTALLATION & TRAINING	Supplier to perform installation, safety and operation checks before handover	Yes	*
	Installation of machine required and to provide onsite service to end user	Yes	*
	Training of users in operation and basic maintenance shall be provided	Yes	*
WARRANTY & MAINTENANCE	Warranty (Yrs)	3	3
	User technical and maintenance manual detailing complete maintaining schedule with routine maintenance should be provided	Yes	*
	Contact details of manufacturer, supplier and local service agent to be provided	Yes	*

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days

1	Vinayak Dattatraya Ranade	401501,TARAPUR MAHASHTRA SITE, PO TAPP, VIA BOISAR, DIST. PALGHAR	2	30
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Bid Specific Additional Terms and Conditions

1.Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

[This Bid is also governed by the General Terms and Conditions](#)

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