

### Bid Document

Bid Details	
Bid End Date/Time	24-07-2020 13:00:00
Bid Opening Date/Time	24-07-2020 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Pmo
Department Name	Department Of Atomic Energy
Organisation Name	Nuclear Power Corporation Of India Limited
Office Name	Rajasthan
Total Quantity	2
Item Category	ECG Machine
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

### ECG Machine ( 2 pieces )

### Technical Specifications

\* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Certificates	<b>Confirmity to standards</b>	European CE	European CE
	Certification number and date	-	*
	Confirmity to safety of electromagnetic compatibility	IEC-60601-1-2:2001 (or equivalent BIS)	*
	Confirmity to safety standard	IS - 13450 / IEC60601-1-2005	*
Performance Parameters	<b>Purpose</b>	ECG machine is primary equipment to record ECG signal with interpretation which is required for recording and analyzing the waveforms with software.	ECG machine is primary equipment to record ECG signal with interpretation which is required for recording and analyzing the waveforms with software.
	Operating modes of ECG Machine	Automatic, Manual and Rhythm	*
	ECG machine should have ECG lead annotation facility	Yes	*
	Leads which is in ECG machine should be able to acquire simultaneously and interpret them	12	*
	<b>Number of channels</b>	12	12
	ECG machine should acquire lead ECG for both adult and paediatric patients	Yes	*
	The ECG machine should have facility to show lead fail indication	Yes	*
	The ECG machine should have facility to show lead reversal indication	Yes	*
	The ECG machine should have facility to show the impedance to quality check of connection	Yes	*

Acquisition time for ECG Machine in sec	10 sec	*
Digital sampling rate for Pacemaker spike detection	40000 s/sec/channel	*
Recording of digital sampling for pacemaker	1000 s/sec/channel	*
ECG machine should have real time colour backlit display of ECG waveforms with signal quality indication for each lead	Yes	*
ECG machine should have frequency filters	Artifact, AC and low and high pass frequency filters	*
<b>Number of ECGs which can be store in ECG Machine</b>	151-200	151-200
<b>ECG machine should have full screen preview of ECG report for quality assessment checks prior to print</b>	No	No
<b>Type of inbuilt screen</b>	LCD	LCD
<b>Size of screen in inches</b>	5	5
Display resolution of ECG machine in pixels	640 x 480	*
ECG machine should have interpretation facility of the amplitudes, duration and morphologies of ECG waveforms and associated rhythm for adult and pediatric patient	Yes	*
<b>ECG machine should have alphanumeric keyboard for patient data entry</b>	Hard keys	Hard keys
<b>Size of printing paper</b>	A4	A4
Resolution of digital array printer using thermal sensitive paper	200 dpi x 500 dpi on 25 mm/sec speed	*

	in ECG Machine in dpi		
	ECG machine report format	Report formats of 3x4; 6x2, Rhythm for up to selected leads, 12 lead extended measurement, 1 minute of continuous waveform data for 1 selected lead	*
	<b>Provision of battery</b>	Yes	Yes
	<b>Battery capacity</b>	50 ECG or 1 hour of continuous rhythm recording on single charge	50 ECG or 1 hour of continuous rhythm recording on single charge
	<b>Connectivity to ECG Machine</b>	LAN	LAN
	Storage on external portable memories	USB support	*
	The individual patient lead should be change without replacing the whole patient cable assembly	Yes	*
	Noise level in dba	45	*
	Weight of ECG Machine in Kg	5	*
	Frequency in Hz	300	*
	<b>Availability of latest interpretation software</b>	Yes	Yes
	<b>Wireless acquisition module with RF technology</b>	No	No
	<b>System should have the dedicated software to download the ECG form machine in PDF format</b>	Yes	Yes
	<b>Warranty in years</b>	3	3
	User and service manual of ECG Machine	Yes	*
Environmental Parameters	Operating temperature and humidity	temperature of 10-40 degree C and relative humidity of 15-90%	*
Trolley	<b>Provision of trolley</b>	No	No
	<b>Material of Frame of trolley</b>	No Trolley Provided	No Trolley Provided

	<b>Material of Top of trolley</b>	No Trolley Provided	No Trolley Provided
	<b>Number of castors</b>	No Trolley Provided	No Trolley Provided
	<b>Number of brakes for castors</b>	No Trolley Provided	No Trolley Provided
	<b>Height of trolley in inch</b>	No Trolley Provided	No Trolley Provided
	<b>Provision of railing for top shelf</b>	No Trolley Provided	No Trolley Provided
	<b>Availability of suitable cable arm having holder for ECG cables when not in use</b>	No Trolley Provided	No Trolley Provided
Power Supply	Power input	220-240 V AC, 50 Hz fitted with Indian plug	*
	Length of power cable in meter	3	*
	Resettable over current breaker shall be fitted for protection	Yes	*
Accessories	<b>ECG Machine 12 leads with interpretation</b>	1	1
	<b>Patient Cable</b>	2	2
	<b>Chest Electrodes Adult (set of Six)</b>	1	1
	<b>Chest Electrodes Paediatric (set of Six)</b>	2	2
	<b>Limb Electrodes</b>	2 for adults and 2 for paediatric	2 for adults and 2 for paediatric
	<b>Thermal paper for 500 patients</b>	1 SET	1 SET
	<b>Power cable for charging</b>	Yes	Yes
	<b>Supplied with Clip electrode</b>	Yes	Yes
Reports	Manufacturer shall be ISO certified	ISO 13485	*
	ISO certification details such as date and number	-	*
	<b>Availability of test report from govt/ NABL/ILAC accredited lab</b>	No	No

	<b>covering all parameters</b>		
	Test report number , Incase test reports not available , put NA	-	*
	Test report date, Incase test reports not available , put NA	-	*
	Name of test lab , Incase test reports not available , put NA	-	*
	Address of test lab , Incase test reports not available , put NA	-	*
	<b>Copies of all test reports to be provided to buyer on demand at time of supplies ,</b>	NA ,Incase test reports not available	NA ,Incase test reports not available

\* 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	Gyan Mal Khatik	323303,Contracts & Material Management, Rawatbhata Rajasthan Site, Anushakti Via-Kota (Rajasthan) Phone No. 01475-242002, 242048 Which is about 60 Kms. away from Kota.	2	35

#### Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Only supply of Goods
2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given

opportunity to match L-1 price and contract will be awarded for percentage of 25% of total value.

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

**---Thank You---**