

### Bid Document

Bid Details	
Bid End Date/Time	23-07-2020 15:00:00
Bid Opening Date/Time	23-07-2020 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	80 (Days)
Ministry/State Name	Pmo
Department Name	Na
Organisation Name	N/a
Office Name	Satish Dhawan Space Centre Shar
Total Quantity	1
Item Category	ECG Machine ( <b>PAC Only</b> )
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

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

### ECG Machine ( 1 pieces ) ( Under PAC )

Make	schiller
Model	cardiovitat102g2

## 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	G10415050120 & Dated: 17/04/2019	*
	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	Yes	*

indication		
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>	Yes	Yes
<b>Type of inbuilt screen</b>	LCD	LCD
<b>Size of screen in inches</b>	7	7
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</b>	Hard keys	Hard keys

<b>data entry</b>		
<b>Size of printing paper</b>	A4	A4
Resolution of digital array printer using thermal sensitive paper in ECG Machine in dpi	200 dpi x 500 dpi on 25 mm/sec speed	*
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	4.5	*
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>	Yes	Yes
	<b>Material of Frame of trolley</b>	SS 304	SS 304
	<b>Material of Top of trolley</b>	SS 304	SS 304
	<b>Number of castors</b>	4	4
	<b>Number of brakes for castors</b>	2	2
	<b>Height of trolley in inch</b>	30 INCHES OR MORE	30 INCHES OR MORE
	<b>Provision of railing for top shelf</b>	YES	YES
	<b>Availability of suitable cable arm having holder for ECG cables when not in use</b>	YES	YES
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	QS6180641505114	*
<b>Availability of test report from govt/ NABL/ILAC accredited lab covering all parameters</b>	Yes	Yes
Test report number , Incase test reports not available , put NA	NA	*
Test report date, Incase test reports not available , put NA	NA	*
Name of test lab , Incase test reports not available , put NA	NA	*
Address of test lab , Incase test reports not available , put NA	NA	*
<b>Copies of all test reports to be provided to buyer on demand at time of supplies ,</b>	Yes	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	Alahari Lakshmi Prasunamba	524124,Keepakam, Satish Dhawan Space Centre, ISRO Sriharikota	1	30

#### Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Only supply of Goods

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

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

