

### Bid Document

Bid Details	
Bid End Date/Time	23-07-2020 16:00:00
Bid Opening Date/Time	23-07-2020 16:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	N/a
Office Name	Western Railway
Total Quantity	2
Item Category	Cardiac Monitor with defibrillator
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.

### Cardiac Monitor With Defibrillator ( 2 pieces )

### Technical Specifications

\* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Standards	Conformity to Certification	-	*
	Certification number and date	-	*
	<b>Conformity to Manufactures Certification</b>	ISO 9001 & ISO 13485	ISO 9001 & ISO 13485
	Conformity to Safety Standards	IEC 60601-2-4 or Equivalent BIS	*
Performance Parameters	<b>Capability parameter of defibrillator</b>	ECG Monitoring , defibrillation	ECG Monitoring , defibrillation
	Technology of defibrillator	Biphasic technology	*
	<b>Modes in defibrillator</b>	Automated external defibrillation and manual	Automated external defibrillation and manual
	Maximum energy selection in joules	270	*
	Capability of ECG Monitoring	ECG leads , multi function electrodes , paddles	*
	<b>Number of wave-forms</b>	4	4
	<b>Patient compatibility to defibrillate</b>	Adult ,pediatric patients	Adult ,pediatric patients
	<b>Type of display</b>	LCD	LCD
	Size of display screen in inch	7	*
	Provision to display ECG waveform on bright high resolution display	Yes	*
	<b>Facility to have synchronized cardio version</b>	Yes	Yes
	<b>Ability to display CPR index on screen real time</b>	No	No
	<b>Ability to filter out CPR artefacts to see organised rhythms without interrupting chest compression</b>	Yes	Yes

Provision of within built rechargeable battery	Yes	*
Battery backup to deliver number of shocks at maximum energy	200	*
Weight of defibrillator with battery and paddles in Kg	6.9	*
<b>Provision of in built recorder</b>	Yes	Yes
<b>Provision of printing ECG trace &amp; stored information</b>	Yes	Yes
<b>Facility of External non-invasive pacing</b>	No	No
<b>Type of external transcutaneous pacing modes</b>	Both Demand mode and fixed mode	Both Demand mode and fixed mode
<b>Pulse width of External non-invasive pacing in milli seconds</b>	NA	NA
<b>Ability to measure chest compression rate and depth in real time with visual feedback on screen with rate and depth indicator</b>	Not Provided	Not Provided
<b>Facility to monitor EtCO2</b>	Yes	Yes
<b>Facility to monitor NIBP</b>	Yes	Yes
<b>Facility to monitor SPO2</b>	Yes	Yes
<b>Upgradability to monitor EtCO2</b>	No	No
<b>Upgradability to monitor NIBP</b>	No	No
<b>Upgradability to monitor SPO2</b>	No	No
<b>ECG monitoring</b>	Using 12 leads	Using 12 leads
Provision of user selectable alarm settings	Yes	*
The machine should work on mains as well	Yes	*

	as on rechargeable battery		
	Ability to select energy from paddles	Yes	*
	Ability to charge and discharge through paddles as well as from main unit	Yes	*
	<b>Facility for internal defibrillation</b>	No	No
	Charging time for maximum energy in seconds	5	*
	Mechanism of self test of unit	Automatic and manual	*
	Unit should do self test with facility to give printout of defibrillator testing report and also have code ready indicator on unit	Yes	*
	<b>Provision of stainless steel trolley with lockable castors</b>	No	No
	<b>Suitability of defibrillator for transport on ground (ambulance)</b>	Yes	Yes
	<b>Defibrillator suitable to use at high altitudes and in air craft</b>	No	No
	<b>Defibrillator should display selected energy</b>	Yes	Yes
	<b>Defibrillator should display delivered energy</b>	No	No
	<b>Suitability of defibrillator for transportation in air (aircraft)</b>	Yes	Yes
	<b>Availability of suitable protection for dust and water</b>	Yes	Yes
Accessories	<b>Li-ion Battery</b>	1	1
	<b>ECG cable</b>	1	1
	<b>NIBP pediatric cuff</b>	1	1

	<b>with hose</b>		
	<b>NIBP adult cuff with hose</b>	1	1
	<b>Reusable airway adaptor to be used with ETCO2 main stream / side stream sensor and cable</b>	1	1
	<b>Disposable airway adapter with EtCO2 mainstream sensor and cable</b>	2 each for incubated and non incubated patient	2 each for incubated and non incubated patient
	<b>External defibrillator paddles (pediatric in built in adult)</b>	1	1
	<b>Multi Function Defibrillator &amp; Monitoring pads/gel sheets</b>	10	10
	<b>Recorder paper roll</b>	10	10
	<b>Reusable CPR feedback sensor/or similar product reused</b>	Not provided	Not provided
	<b>Warranty in years</b>	2	2
	Original User / Technical manuals to be supplied in English in hard and soft copy	Yes	*
	Original copy of operating and service manuals to be supplied in English in hard and soft copy	Yes	*
	Calibration and preventive maintenance certificate has to be provided as per requirement	Yes	*
	Installation, Demonstration and training to be provided at consignee end at any part of country	Yes	*
	The Principal Manufacturer Must Have Direct Presence/approved service center In India	Yes	*
Miscellaneous Parameters	Advanced maintenance	Yes	*

	task required shall be documented and procedures required for local calibration and routine maintenance and list of imp spare parts with accessories along with part numbers to be furnished		
	Availability of toll free facility for technical support maintained by OEM or authorized agencies	Yes	*
	Provide Certificate from the principal that spare parts will be available from next 10 years at the time of supplies to the buyer	Yes	*
	Copies of all certifications to be provided to buyer on demand at time of supplies	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	Brham Prakash	390004,Office of Divisional Railway Manager, Pratapnagar, Vadodara-390004	2	30

### Bid Specific Additional Terms and Conditions

1. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 3 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture

of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

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

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