

Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 17:00:00
Bid Opening Date/Time	20-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	15 (Days)
Ministry/State Name	Madhya Pradesh
Department Name	Public Health And Family Welfare Department Madhya Pradesh
Organisation Name	N/a
Office Name	Chief Medical And Health Officer Ashoknagar
Total Quantity	1
Item Category	Ventilator
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

Advisory Bank	State Bank of India
EMD Percentage(%)	0.50
EMD Amount	4595

ePBG Detail

Required	No
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(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

block medical officer

Chief Medical And Health Officer Ashoknagar, Public Health and Family Welfare Department Madhya Pradesh, N/A,
(Mohan Lal Kharka)

Splitting

Bid splitting not applied.

Ventilator (1 pieces)**Technical Specifications**

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Certifications	Certifications for the product	-	*
	Certificate number and date	-	*
	Confirmity to quality management standards	ISO 9001 & ISO 13485	*
	Confirmity to electrical safety standards	IEC 60601-1 or ISO 80601-2-12 or BIS equivalent	*
Performance Parameters	Purpose	Ventilators used to provide invasive ventilation (e.g., with an endotracheal tube or tracheostomy tube) or noninvasive ventilation (e.g., with a face mask). This device provide temporary or permanent respiration for patients who cannot breathe on their own, or who require assistance maintaining adequate ventilation	*
	Suitable for ICU	Yes	*
	Patient type	Adult & pediatric	*
	Type of technology	Compressor	*
	If technology is compressor based	Compressor should be standalone	*

	Tidal volume	100 ml or less-1500 ml or more	*
	Peak Respiratory rate in breaths/min	72	*
	Trigger mechanism	Pressure /flow	*
	Trigger flow sensitivity	0.1 to 20 LPM	*
	Peak flow rate , LPM	240	*
	FiO2	21-100%	*
	IE ratio	1:6 to 3:1	*
	PEEP/CPAP, cm H2O (increments of 1cm H2O)	0-40	*
	Programmable/adjustable sign	Yes	*
	Ventilation monitoring facility	Microprocessor Controlled ventilator with active exhalation valve	*
	Leak volume compensation	Yes	*
	Volume accuracy	2-3% of full scale between 10 to 80 LPM	*
	Inspiratory time	0.3 to 2.5 sec	*
	Pressure support	0-40 cm H2O	*
	Inspiratory pause	Expiratory pause sustained exhalation	*
	Auto 100% Increase O2 button	Yes	*
	Control panel lock	Yes	*
	Facility for double lung ventilation	Yes	*
	Undergo Automatic calibration system on start up	Yes	*
Modes and Monitored Parameters	Loops displayed	Flow/Volume, Pressure/Volume, Pressure/Flow	*
	Graphic display have automatic scaling facility for waves	Yes	*
	Maximum trending time	72	*
	Lung recruitment tools (PV loops)/OLT(Open lung tools)	Yes	*

Lung mechanics visualization tool	Yes	*
Capnography/CO2 monitoring	Yes	*
Esophageal/transpulmonary pressure monitoring	Yes	*
Stress index	Yes	*
Modes of ventilation	Volume controlled, Pressure Controlled, Pressure Support, SIMV with Pressure support ,SIMV with volume control with pressure support, ,CPAP/PEEP,Inverse Ratio Ventilation,Non invasive ventilation,Apnea /back up ventilation,SIMV (VC) with Pressure support; SIMV (PC) with Pressure Support; SIMV (PRVC) with Pressure Support, Bi-phasic	*
ASV(Adaptive support ventilation) ALT	Yes	*
APRV	Yes	*
MMV +PSV /ASV or ALPV or Automode	Yes	*
Automatic weaning mode	Yes	*
Displayed parameters	Respiratory phase and type, Exhaled tidal & minute volume, Peak inspiratory pressure , Mean airway pressure, PEEP , Tidal volume, Leak volume, Minute volume, Spontaneous minute volume, FiO2 (analyzed %), Respiratory rate , Inspiratory time, Expiratory time, IE ratio, mean & Plateau Pressure	*
RSBI	Yes	*
Static compliance and resistance	Yes	*
Low inflection point	Yes	*

	(LPI) and upper inflection point (UPI)		
Alarms	Patient alarms	Low/high FiO ₂ , Low/high minute volume , Low inspiratory pressure , High pressure, Low PEEP , High PEEP, Apnea, Continuous high pressure/occlusion, Inverse IE, High respiratory rate, Breathing circuit disconnect	*
	Equipment alarms	Gas-supply failure , Power failure, Vent inoperative, Low battery, Self-diagnostic	*
	Non-forced Slow Vital Capacity	Yes	*
	Physiologic Dead space	Yes	*
	Imposed work of Breathing (WOB _i)	Yes	*
	Expiratory Time constant (T _{cexp})	Yes	*
	Compliance static and dynamic	Yes	*
	Inspired and expired resistance	Yes	*
	Inspiratory and expiratory hold	Yes	*
	Spontaneous frequency	Yes	*
	Expiratory block is autoclavable and no routine calibration required	Yes	*
	Power disconnected	Power supply unplugged	*
	Patient Disconnected	"PIP < (Desired Pressure x 0.6)"	*
	High Inspiratory Pressure	"PIP < (Desired Pressure x 0.6)"	*
	High PEEP	"PEEP > Set PEEP + 2 or 6 Consecutive cycles"	*
	High Respiratory Rate	RR > 70	*
	Power Sensor Failure	Power sensor fails to respond	*

	Ventilator Temperature Error	The core temperature of ventilator CPU greater than 85 °C	*
	System Failure (Safe Mode)	"Vital components inactive"	*
	Low Tidal Volume	VTi < Set VT * 0.75 for 6 consecutive cycles	*
	Alarm history >100 alarms or minimum 16 alarms /event	Yes	*
	Time for Displayed Trends Values	48 hours	*
Power requirement and data management	RS 232 output port	Yes	*
	USB/Memory card	Yes	*
	Availability of Remote alarm/display port	Yes	*
	Facility to Report (vent alarms and patient status)	Yes	*
	HLT Compliant out put	Yes	*
	Type of colored display	LCD	*
	Display should be touch screen	Yes	*
	Size of screen	6.5 inch or more	*
	Power supply	220-240 V , 50 Hz AC single phase	*
	Length of Power cord	5	*
	Provision of UPS	No	*
	Battery backup time (tolerance of 30 minutes minus and plus side allowed)	4	*
	Type of battery	Lithium - ion	*
	Power of battery in watt/hr	60	*
	Programmable ultrasonic nebulizer	Inbuilt	*
Additional Accessories	Patient tubing for Adult and pediatric	2 each	*
	NIV mask(Re usable)-medium and large	2 Each	*
	Type of flow sensor	Reusable	*
	No of reusable flow sensor	2	*
	No of disposable flow	50	*

Miscellaneous Parameters	sensor		
	Autoclavable exhalation valve/expiratory cassette / filter	2	*
	Humidifier: Servo controlled with digital monitoring of inspired gas temperature with heating wire and arm holder	1	*
	Trolley for ventilator with circuit holding arm	Yes	*
	Test lung for adult and pediatric	1 Each	*
	Comprehensive Warranty	5	5.0
	Compressor certification	EU CE	*
	Compressor shall provide an oil free Medical air, with Peak output flow and Air quality complying with ISO compressed air purity class	Yes	*
	Medical Air Compressor should automatically activate in the event of wall air supply loss and replacement of internal filters should be performed without removing the compressor, have washable air filter	Yes	*
	Compressor should be from same manufacturer or OEM	Yes	*
	Certification to supply the spare parts	OEM/Reseller (if supplied by reseller shall ensure uninterrupted availability of all spares for 10 years)	*
	Availability of toll free facility for technical support maintained by OEM or authorised agencies	Yes	*
	User/Technical/Mainten	Yes	*

	ance manuals to be supplied in English in hard and soft copy		
	Details of equipments and procedures required for local calibration and routine maintenance to be supplied and advanced maintenance task documentation also to be furnished	Yes	*
	List of spares	List of important spares and accessories, with their part numbers and price lists to be supplied to the buyer at the time of supplying the equipment	*
	Installation and training	Installation of equipment and training to be provided after completing supplies before acceptance	*
	Service Center (24x7 service)	The Principal Manufacturer must have direct Presence/approved service center In India	*
	Copies of reports and certifications to be furnished 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	Mohan Lal Kharka	473446,Civil Hospital Chanderi Rajghat Road Chanderi (M.P.)	1	30

Special terms and conditions for category Ventilator

1. (i) Comprehensive warranty: Comprehensive warranty shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares,. During the warranty period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months. warranty shall not be including the consumables .Further there will be 98% uptime warranty during warranty period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend warranty period by double the downtime period.(ii) Service centres: Details of Service outlets in India to render services for equipment to be furnished to buyer/consignees with complete address ,telephone numbers, e mails etc at time of making the supplies .It shall be the responsibility of seller to ensure that authorized service centres are available to cater to the areas where supplies are made within reasonable distance from where the service calls can be handled .Details of toll free numbers for service call and online registration of service requests also to be provided buyer/consignee at the time of supplies.(iii) Source of supply: It shall be responsibility of seller to provide Documents regarding source of equipments such as copy of Performa invoice or any other documents to establish that the products supplied are manufactured by OEM indicated and sourced from them .(iv) Packing and Marking: Medical equipments being very delicate and sensitive packing for the goods should be strong and durable enough to withstand transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. .The size, weights and volumes of the packing cases, remoteness of the final destination of the goods, availability or otherwise of transport and handling facilities at all points during transit up to final destination,. Quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall take in to consideration the type of medical equipments being supplied. The accessories shall be suitably labelled and packed .Each of the package shall be marked on three sides with indelible paint of proper quality: indicating contract number and date , brief description of goods including quantity ,. Packing list reference number , country of origin of goods and any other relevant details.(v) Spare Parts: Seller shall provide materials, information etc. pertaining to spare parts manufactured and supplied by the OEM . It shall be ensured that the required spares are available for purchase at least for 10 years from date of supplies .In case due to any reasons the production of the spare parts is discontinued sufficient advance notice should be given to the buyer/consignee before such discontinuation to provide adequate time to purchase the required spare parts etc. Further, OEM and their service centres/dealers shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the equipments so that the same are available.OEM or reseller shall always accord most favoured client status to the buyer/consignee and shall give the most competitive price for spares and consumables of its machines/equipments supplied(vi) Installation, Training, Manuals: Seller shall be responsible to carry out Installation & commissioning, Supervision and Demonstration of the goods. They shall provide required jigs and tools for assembly, minor civil works for the completion of the installation and Training of Consignee's representatives for operating and maintaining the equipment and Supplying required number of operation & maintenance manual for the goods. In case the category parameters are specifying any requirements regarding the installations , training and manuals the same shall also be applicable.(vii) Electrical safety checking: Sellers are required to make sure that they furnish the list of equipments for carrying out routine and preventive maintenance to buyer/consignee .They should make sure to periodically check the electrical safety aspects as per BIS Safety Standards or equivalent .In case they do not have required equipment for such testing should ensure that the equipments checked for electrical safety compliance through labs with facilities for such checking during every preventive maintenance call.(viii) Software: All software updates should be provided free of cost during warranty period

Bid Specific Additional Terms and Conditions

1. Bidders can also submit the EMD with Account Payee Demand Draft in favour of adhyaksh rogi kalyan samiti chnaderi payable at 4995.
Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure

- delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.
2. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
 3. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
 4. **End User Certificate:** Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

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

---Thank You---