

Bid Document

Bid Details	
Bid End Date/Time	23-07-2020 12:00:00
Bid Opening Date/Time	23-07-2020 12:30:00
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	5
Item Category	Ventilator for Adult & Paediatric Ventilation
Experience Criteria	3 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Past Performance,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
Past Performance	50 %
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	62

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

Beneficiary:

SR. ACCOUNTS OFFICER, SCF

GOVT.OF INDIA, DEPARTMENT OF SPACE, SATISH DHAWAN SPACE CENTRE, SRIHARIKOTA -524124
(Sr.accounts Officer, Scf)**Splitting**

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of years as indicated in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Ventilator For Adult & Paediatric Ventilation (5 pieces)**Technical Specifications**[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Set 1	Usage:	Medical ventilator is suitable for adult & Paediatric ventilation. It is a ventilator/a machine designed to move breathable air into and out of the lungs, to provide breathing for a patient who is physically unable to breathe, or breathing insufficiently.	*
	Ventilation monitoring facility:	The Ventilator is a Microprocessor	*

		Controlled ventilator with integrated facility for Ventilation monitoring.	
Ventilator Features	Have Standard hinged arm holder for holding the circuit:	Yes	*
	Have Coloured Touch screen:	Yes	*
	Colour Touch screen Size (diagonal):	15	15, 17 Or higher
	Has facility to measure and display 3 waves- Pressure and Time, Volume and Time and Flow and Time, 2 loops (P-V, F-V) with facility of saving of 2 Loops for reference:	Yes	*
	Has Status indicator for Ventilator mode, Battery life, patient data, alarm settings, clock etc:	Yes	*
	Has Graphic display to have automatic scaling facility for waves:	Yes	Yes
	Has Trending facility of minimum duration of:	48	48 Or higher
	Facility for automatic compliance & Leakage compensation for circuit available:	Yes	*
Ventilator Settings/Range Parameters	Tidal Volume:	20 ml - 2000 ml	20 ml - 2000 ml
	Pressure (insp) :	2 - 90 cm H2O	*
	Pressure Ramp/Flow pattern:	Yes	*
	Respiratory Rate :	1 to 150 bpm	*
	I : E Ratio :	5:1 to 1:10	*
	CPAP/PEEP :	0 - 50 cm H2O	*
	Pressure support :	2 - 75 cmH2O	*
	FIO2 :	21 - 100%	21 - 100%
	Pause Time :	0- 2 sec	*
	Pressure trigger :	0.5 - 15cmH2O	*
	Flow Trigger :	0.2 - 12 LPM	*

Available parameter monitoring facility of Ventilator	Airway Pressure (Peak & plateau)	Yes	Yes
	Tidal volume (Inspired & Expired)	Yes	Yes
	Minute volume (Inspired and Expired)	Yes	Yes
	Spontaneous Minute Volume	Yes	Yes
	Total Frequency	Yes	Yes
	FIO2 dynamic	Yes	Yes
	Use selector Alarms for all measured & monitored parameters	Yes	Yes
	Intrinsic PEEP and PEEPi Volume (or trapped Volume)	Yes	Yes
	Resistance (Rinsp & Rexp)& Compliance (Cdyn & Cstat)	Yes	Yes
Ventilation Modes & Other Features	Respiratory mechanics:	Yes	Yes
	Modes of Ventilation available: Volume controlled, Pressure Controlled, Pressure Support, SIMV (Pressure Control and volume control) with pressure support, CPAP/PEEP, Inverse Ratio Ventilation, Non Invasive ventilation, Apnea /backup ventilation, MMV+PSV / ASV (Adaptive Support Ventilation) or equivalent, APRV / bivent /Bi-level / BiPAP or equivalent & PRVC	Yes	*
	Expiratory block is autoclavable and no routine calibration required:	Yes	*
	Nebuliser with capability to deliver particle size of 3 to 5 micron & to be used in both Off and On line	Yes	*

	Apnea /backup ventilation with Automatic switch over from spontaneous to back and vica-versa	Yes	*
	Automatic Patient connection and disconnection Detection facility	Yes	*
	Non-forced Slow Vital Capacity , physiologic Dead space, RSBI, Imposed work of Breathing (WOBI), Expiratory Time constant (Tcexp)	Yes	*
Medical Air Compressor	Ventilator has Stand-alone Medical Air compressor snap fit with the Ventilator module to provide an oil free Medical air, with Peak output flow should be minimum 160 LPM and Air quality complying with ISO compressed air purity class:	Yes, Medical Ventilator has Stand-alone Medical Air compressor.	Yes, Medical Ventilator has Stand-alone Medical Air compressor. Or higher
	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	*
Reusable face mask & nasal Mask	Reusable face & nasal mask shall be with textured dual flap silicone cushion flap for easy fit/Removable forehead support and pad are to match the angle of patient's forehead Stability//Provision of selector shall be for easy fit and angle headgear attachments//Shall be autoclavable	Yes	*

Accessories	Accessories to be supplied with each unit of the equipment:	Adult & Paediatric autoclavable silicone breathing circuits: 02 Each, Reusable Masks (Medium, Large) with each machine: 02 sets each, Reusable and autoclavable Flow sensor and exhalation valve - 2 each, Accessories for non invasive ventilation: 2 sets, Humidifier: Servo controlled with digital monitoring of inspired gas temperature complete with heating wire - 01 no & (Filter paper for humidifier for 100 uses : 01 lot)	Adult & Paediatric autoclavable silicone breathing circuits: 02 Each, Reusable Masks (Medium, Large) with each machine: 02 sets each, Reusable and autoclavable Flow sensor and exhalation valve - 2 each, Accessories for non invasive ventilation: 2 sets, Humidifier: Servo controlled with digital monitoring of inspired gas temperature complete with heating wire - 01 no & (Filter paper for humidifier for 100 uses : 01 lot) Or higher
Certification & Warranty	Whether Ventilator unit along with medical air compressor unit are US FDA certified:	No	No
	Whether Ventilator unit along with medical air compressor unit are European CE certified:	No	No
	Manufacturer is ISO certified for quality standards:	Yes	Yes
	Equipment meets IEC-60601-1-2: General Requirements of Safety for Electromagnetic Compatibility or should comply with 89/366/EEC; EMC-directive	Yes	*
	Warranty Period:	5	5 Or higher
Power Supply	Offered Equipment works on 220-240V AC as well as batteries, Mains adaptor to be supplied:	Yes	*
	Whether offered Ventilator unit to be supplied with suitable Servo	No	No

	controlled Stabilizer/ CVT (along with minimum 30 minutes power back up for ventilation) :		
	Resettable over current breaker shall be fitted for protection of equipment:	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	5	30

Special terms and conditions for category Ventilator for Adult & Paediatric Ventilation

1. Installation of the equipment shall be done by the Seller at Buyer's facility on turn key basis without any additional charges payable for the same. Successful installation of the equipment by Seller shall be prerequisite for acceptance of the ordered supplies. \n2. Warranty: The equipment shall be under Comprehensive Warranty, for the period specified by Seller reckoned from the date of satisfactory installation, commissioning, trial run & handing over of equipment to Buyer. The Seller shall ensure 95% up time on 24 (hrs) X 7 (days) X 365 (days) basis under warranty of complete equipment. In case the down time exceed the 5% limit, extension of the warranty period will be twice the excess downtime period. Buyer shall also have right to exercise remedies available as per the contract terms & conditions to deal with the Seller\u2019s unfulfilled warranty obligations. All software updates should be provided free of cost during Warranty period.\n3. Training: On Site training to personnel of the Buyer shall be provided by Seller for operation and maintenance of the equipment to the satisfaction of the Buyer.

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
2. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
3. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have

Dedicated/toll Free Telephone No. for Service Support.

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

---Thank You---