

### Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 15:00:00
Bid Opening Date/Time	27-07-2020 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Nagaland
Department Name	Health And Family Welfare Department Nagaland
Organisation Name	Medical, Public Health & Family Welfare
Office Name	Nagaland
Total Quantity	1
Item Category	Anaesthesia Workstation
Experience Criteria	2 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,Certificate (Requested in ATC),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	60 %
Bid to RA enabled	Yes
Inspection Required	No
Estimated Bid Value	230000

#### EMD Detail

Required	No
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#### ePBG Detail

Required	No
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#### 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 60% 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.

## Anaesthesia Workstation ( 1 pieces )

### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Standards	Conformity to standards	-	*
	Certification date and number	-	*
	Certification of manufactures	ISO 9001 & ISO 13485	*
	ISO certification number and date	-	*
	Confirmity to medical electrical safety standards	IEC60601-2-13 and BS EN 6060-1-1	*
Performance Parameters	<b>Purpose of anesthesia workstation</b>	Anesthetic machine in used to provide an accurate and continuous supply of medical gases mixed with an accurate concentration of anaesthetic vapour and deliver this to the patient at a safe pressure and flow.	Anesthetic machine in used to provide an accurate and continuous supply of medical gases mixed with an accurate concentration of anaesthetic vapour and deliver this to the patient at a safe pressure and flow.
	<b>Components of Anesthesia workstation</b>	Anesthesia machine , Inbuilt ventilator , vaporisor , Gas delivery system , Multi para monitor	Anesthesia machine , Inbuilt ventilator , vaporisor , Gas delivery system , Multi para monitor
	<b>Type of mounting for the Anesthesia workstation</b>	Trolley Mounting	Trolley Mounting
	<b>Material used for Anesthesia workstation</b>	rust-proof ABS plastic with metal reinforcements	rust-proof ABS plastic with metal reinforcements
	<b>Mode of integrated scavenging system with pressure relief valve</b>	Passive	Passive
	<b>Minimum Battery backup for anesthesia workstation</b>	2 hour	2 hour
	<b>Minimum Battery backup for Ventilator</b>	2 hour	2 hour
	<b>Minimum Battery backup for monitor</b>	2 hour	2 hour
	<b>Facility of manual ventilation in case of electricity and battery failure</b>	Yes	Yes
	<b>Facility of gas and agent</b>	Yes	Yes

	<b>delivery in case of electricity and battery failure</b>		
	<b>All the components likes anesthesia machine, integrated ventilator, vaporizer from the same manufacturer</b>	Yes (except for desoflurene vaporizer to be sourced from reputed OEM with complete warranty support and authorization )	Yes (except for desoflurene vaporizer to be sourced from reputed OEM with complete warranty support and authorization )
	<b>Patient monitor from same manufacturer</b>	Yes	Yes
	Workstation should have minimum of two drawers to keep accessories, good mobility, anti static caster wheels with locking facility & conveniently placed handles for easy movement of the machine	Yes	*
	All software updates should be provided free of cost during Warranty period	Yes	*
	<b>The anesthesia machine can be used safely up to 1000 gauss line while being used with MRI</b>	No	No
	<b>Should have Air/N<sub>2</sub>O interlock</b>	Yes	Yes
	Inspiratory time in sec	0.2 to 3 sec	*
	Expiratory time	0.5 to 6 sec	*
	Flow rate in lpm	0.2 to 6 lpm	*
	Pressure relief	05 to 75 cm H2O	*
	<b>Warranty in years</b>	5	5
	Gas Delivery System	Availability of Pin index yokes for gases	Oxygen and Nitrous oxide
Availability of Separate Pin index yokes for gases		Oxygen , Nitrous oxide , Air	*
Availability of cascading type flow meters for O2, N2O and air		Yes	*
<b>Mode of gas mixing</b>		Pneumatic	Pneumatic
Availability of rotameter control guards in anesthesia workstation		Yes	*
Availability of pressure gauges for cylinder and pipelines in anesthesia workstation		Yes	*
Availability of audible and visual oxygen failure alarms		Yes	*
Minimum emergency oxygen flow in liter per minute		35-70	*
<b>Type of hypoxic guard with automatic cutoff of N2O</b>		Mechanical	Mechanical

Vaporizer	Number of quick mount type vaporizer for easy interchangeability at a time	2	*
	Number of selectable back bar	2	*
	Facility of interlock for vaporizer	Yes	*
	Volume percentage of delivery range	0 to 10	*
	Minimum agent capacity for free volatile anesthetic agent in ml	225	*
	Sensor connection shall be internal to prevent disconnection	Yes	*
	<b>Vaporizer compatible to gases</b>	Sevoflurane,Isoflurane,Desflurane,Halothane	Sevoflurane, Isoflurane, Desflurane, Halothane
	The vaporizer design should be maintenance free	Yes	*
	Vaporizer calibration requirement	After every 5 years	*
Breathing System	Breathing system should have fresh gas de-coupled / compensation , closed circle absorber system	Yes	*
	Range of pressure relief valve in mbar of breathing system	5 to 75	*
	Number of steps in change over from spontaneous to bag ventilation	single step	*
	Number of reusable autoclavable closed silicone circuit supplied	2 for adult and 2 for pediatric	*
	<b>Number of bair circuit (adult) supplied with workstation</b>	10	10
	<b>Number of Jackson Rees circuit for pediatric patients supplied with workstation</b>	10	10
	<b>Volume capacity of breathing system in liters</b>	1.5	1.5
	Breathing system should have leak and compliance test	Yes	*
Anesthesia Ventilator	<b>Available modes of operating ventilator</b>	Manual/spont, volume controlled , pressure controlled , SIMV/PS	Manual/spont, volume controlled , pressure controlled , SIMV/PS
	<b>Ventilator should be capable to pressure support</b>	Yes	Yes
	Integrated ventilator shall not require bellows to be change for adults and	Yes	*

Monitor	infants		
	Tidal volume of ventilator in ml	20 to 1400 ml	*
	PEEP of ventilator in mbar	0 to 20 mbar	*
	Breathing frequency in BPM	4 to 60 BPM	*
	Inspiratory pause percentage of Ti	0-50%	*
	<b>Screen size of Ventilator monitor in inches</b>	10	10
	Integrated ventilator shall be able to provide facility to monitor ETCO <sub>2</sub> , Automatic identification of agents	Yes	*
	Ventilator should be able to ventilate with atmospheric air if total gas supply failure	No	*
	<b>Type of monitor</b>	TFT	TFT
	Size of monitor in inches	19	*
	Monitor should not require lengthy start up procedure or calibration for display of parameters	Yes	*
	The graphical and numerical trend with split screen duration	24 hours	*
	<b>Patient multipara monitor shall be able to display parameters</b>	HR, SpO <sub>2</sub> , NIBP, ECG, Temp, Agent identification (MAC)	HR, SpO <sub>2</sub> , NIBP, ECG, Temp, Agent identification (MAC)
	<b>NMT to be displayed</b>	No	No
	<b>Dual temperature to be displayed</b>	Yes	Yes
	<b>BIS/ENTROPY to be displayed</b>	No	No
	<b>Capnography to be displayed</b>	No	No
	<b>EtCO<sub>2</sub> to be displayed</b>	Yes	Yes
	<b>IBP1 and IBP2 to be displayed</b>	Yes	Yes
	<b>CO(cardiac output) to be displayed</b>	Yes	Yes
	ECG monitoring with standard lead configuration, I,II,III, avL, avF&V filters so that it is protected against defibrillator, electro surgery potentials, arrhythmia analysis and ST segment analysis with trends	Yes	*
	NIBP should be determine with oscillometric method, should read systolic, diastolic and mean arterial pressure and pulse rate	Yes	*
	Pulse oximetry with sensors suitable for adults,	Yes	*

	pediatric& neonate		
	ETCO2 measurement should be by infra -red absorption technique, measuring mode should be side stream or main stream and response time should be less than 3 seconds	Yes	*
	Monitor should be able to monitor and display all parameters in single screen	Yes	*
	Make of monitor if monitor provided is not from the same OEM and if from same OEM put NA	-	*
	<b>System to be supplied with oxygen monitor</b>	Yes	Yes
Alarms	Number of alarms	10	*
	Alarms shall be adjustable to high / low limits with audio and visual alarms	Yes	*
Power supply	Length of main cable in meter with power socket of standard indian make to be provided	5	*
	Power supply	220-240V AC, 50 Hz single phase	*
Additional Accessories	Transparent re-usable silicon face mask size 0,1, 2, 3, 4 & 5	2 each	*
	Breathing bag 2 Litre & 500 ml	2 each	*
	3/5 ECG lead	2	*
	Nasopharyngeal/rectal and skinTemperatureprobes should be Provided	2	*
	Re usable adult cuffs, reusable Paediatric cuff and sets of Disposables cuff for neonatal	2	*
	ETCO2 line and adapters	15 each	*
	Mox regulator with 3 meter high Pressure tubing	1	*
	<b>Provision for laryngoscopes</b>	Not Provided	Not Provided
	<b>Reusable patient circuits</b>	1	1
	<b>Reusable masks</b>	2	2
	<b>SPO<sub>2</sub> sensor provided</b>	1	1
	<b>NIBP cuff</b>	1	1
	<b>Skin and nasopharyngeal temperature probe</b>	1	1
	<b>ETCO2 sample lines</b>	10	10
	<b>Reusable IBP interface cables</b>	1	1

<b>Disposable IBP transducers</b>	5	5
<b>BIS sensors</b>	Not provided	Not provided
<b>Accessories for wall mounting</b>	NA (If trolley mounting)	NA (If trolley mounting)

\* 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	S. Manyau Phom	797001, Directorate of Health & Family welfare, Below Secretariat, Ruliezu	1	15

#### Bid Specific Additional Terms and Conditions

- Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
- Consortium:** In case of Contracts, wherein the seller alone does not have necessary expertise, the seller can form consortium with other sellers for submission of the bid, with one of the consortium company as leader. However, each and every member of the consortium shall be equally responsible for the complete execution of the project contract. An undertaking to this effect is to be uploaded with bid.
- End User Certificate:** Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.
- IMPORTED PRODUCTS:** In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
- 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.
- Dedicated /toll Free Telephone No. for Service Support :** BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
- Escalation Matrix For Service Support :** Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
- Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
- ISO 9001:** The bidder must have ISO 9001 certification.
- Material Test Certificate Should Be Sent Along with The Supply.** The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.
- The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
- Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

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

---Thank You---