

Bid Document

Bid Details	
Bid End Date/Time	22-10-2018 14:00:00
Bid Validity	90 (Days)
Ministry/State Name	Ministry Of Health And Family Welfare
Department Name	Department Of Health And Family Welfare
Organization Name	North Eastern Indira Gandhi Regional Institute Of Health And Medical Sciences (neigrihms)
Office Name	Neigrihms, Shillong
Total Quantity	1
Item Category	Dental examination chairs
Average Turn Over of Last 3 Years	10 Lakh (s)
Experience with Gov. Required	2 Year (s)

Dental Examination Chairs (1)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Allowed Values
Chair Unit Specifications	Dental Chair design:	Should enable the operator to be in close proximity of the patient to provide optimum vision of the operating field and safe control of all component devices.	*
	Ergonomics	The chair should be designed to provide good ergonomics for both operator and assistant. Chair should have adjustable ergonomic headrest.	*
	Power drive for Chair movements:	Dental Chair shall be fully motorized, pneumatically / electrically driven, which gives smooth	*

		movement and non-jerky start and stop.	
	Power Input:	220 - 240 V AC, 50 Hz	*
	Power Supply:	Should have integrated power supply for fiber optic handpieces, piezo electric motor etc.	*
	Type of Motor:	Noiseless DC Motor for enabling chair movements.	*
	Dental Chair Base:	Cast-metal/alloy base with five title castors.	*
	Corrosion resistance:	Base and other structure of the Chair should have a corrosion resistant coating.	*
	Concealed inlet & outlet:	All the outlet & inlet for the services to the chair shall be concealed in the box. The Box as an infection control measure shall be located at the foot area of the chair or within the unit.	*
	Valves:	Provision of Built-in anti-retraction valves and flush valve system for infection control.	*
	Usable storable height (minimum)	840 mm	*
	Width	450 mm to 500 mm	*
	Length (minimum)	1830 mm(6 feet)	*
Dental Chair Height Parameters	Dental Chair height adjustment:	By electronically controlled electric motor	*
	Lowest height of Dental Chair:	between 300 - 450 mm	*
	Height adjustment range:	between 400 - 700 mm.	*
	Height range:	between 500 - 800 mm	*
Dental Chair Features & Sub Systems	Lumber Support:	The Chair shall have two way adjustable lumbar support.	*
	Backrest of Chair:	The backrest of the dental chair shall be ultra thin, flexible, highly comfortable, seamless long life	*

	upholstery and should disinfectible.	
Torso support:	Height adjustable torso support with Height adjustable foot ring	*
Toe movement facility:	Facility of Toe movement. Toe should move up while backrest moves down.	*
Safety brake:	Safety brake provision while going down for patient exit position.	*
Overhead Delivery System	The over head delivery system shall have balanced flax arms with pneumatic bracket. It shall have at least Five (5) delivery ports for various hand pieces, scalar and 3-way syringe(with autoclavable tip), (with 6 spare tips).	*
Air Rotor terminals	The Dental Chair shall have minimum two high Speed Air Rotor terminals with water control on coupling with at least one fiber optic terminal. Should have one Air motor terminal with speed control preferably fibre optic, with speed range of 300 - 40000 RPM in standard mode with cutting power in the range between 50 - 70 watt. Should be provided with the Brushless.	*
Ultrasonic Scaler:	one unit of in-built Piezon LED Ultrasonic Scaler (frequency 28-36 KHz) with 4 scaler tips and one set of perio-curette tips.	*
Hand piece control block:	Hand piece control block with flow through water design to eliminate stagnant water:	*
Water Syringe:	Autoclavable quick	*

		disconnect water syringe	
	Vacuum Suction:	Provision of high vacuum suction unit on the assistant side of the dental chair, Medium vacuum suction and 3 way syringe.	*
	Hand pieces to be supplied with Dental Chair unit:	"Hand pieces (all European CE/ US FAD Certified Genuine instruments): Fibre Optic Air Rotor(scratch resistant, Titanium Body) - 1 No., Fibre Optic Micro-motor straight (scratch resistant, Titanium Body) - 1 No., Fibre Optic Miniature Air Motor hand piece - 1 No."	*
	Dental Camera System:	Hi resolution LED Dental Camera system with digital signal processor along with \geq 15" LCD Monitor mounted on the Dental chair.	*
	Movable cuspidor box and Movable assistant control system shall have:	"(i) Saliva ejector (ii) Autoclavable High volume evacuator (iii) Autoclavable 3-way syringe (iv) High quality stain proof vitreous China bowl with adjustable cup full and bowl rinse timers (v) Clean water bottle system.	*
Dental Chair Illumination Specifications	Light Source:	Latest sensor operated Non touch (On/Off) LED Light, with luminosity of minimum 30000 to 40000 lux with maximum degree of rotation of light arm movements. With three position intensity with high, medium and composite settings.	*
	LED type:	LED light 5000 K cool light or similar high	*

		quality light.	
	Light Head with Axial movements:	Horizontal, Vertical, Axial & Diagonal adjustment.	*
Air Compressor	Air Compressor Unit:	Dental Chair shall be supplied with suitable oil free, noise free Air Compressor, with capacity to run single dental chair unit	Dental Chair with out Air Compressor unit. , Dental Chair shall be supplied with suitable oil free, noise free Air Compressor, with capacity to run single dental chair unit , Dental Chair shall be supplied with suitable oil free, noise free Air Compressor, with capacity to run up to three dental chair units simultaneously. , Dental Chair shall be supplied with suitable oil free, noise free Air Compressor, with capacity to run up to five dental chair units simultaneously.
Storage & Operating Conditions	Storage Conditions:	Dental Chair unit is capable of being stored continuously in ambient temperatures of 0 - 50 degree centigrade and relative humidity of 15 - 90%	*
	Operating Temperature & Relative Humidity:	Dental Chair unit is capable of operating continuously in ambient temperatures of 10-45 degree centigrade and relative humidity of 15-90%	*
Certifications	Certifications (proof to be produced by Seller on Buyer's demand)	US FDA,CE - European	US FDA , CE - European
	Manufacturer's ISO certification for quality standards; If the Manufacturer have ISO certification for quality standards (proof to be produced by Seller on Buyer's demand):	true	true , false

	Electrical safety conforms standards for electrical safety IEC60601-1(OREQUIV ALENT international/national standard) General requirement for Electrical safety of Medical Equipment (proof to be produced by Seller on Buyer's demand):	false	true , false
Turnkey Work & Accessories	Scope of Installation:	Installation of dental chair unit as per scope defined at tnc	Installation of dental chair unit as per scope defined at tnc , Installation of dental chair & development of operator's work area [12 feet x 12 feet area per dental chair unit] as per scope defined at tnc (or higher)
	Accessories (to be supplied with each Dental Chair unit):	As per OEM list and one unit of X-Ray viewer (LED Based)	*
Documentation	User/Technical/ Maintenance manuals to be supplied in English	YES	*
Warranty & CMC	Warranty Period	5	5 (or higher)
	Whether Seller agrees to enter in to Comprehensive Maintenance Contract (CMC) with the Buyer at the expiry of warranty period as per mutually agreed rate between buyer and Seller?	true	true , false
	If Servo Voltage Stabiliser of appropriate ratings meeting ISS specifications (input: 160-260 volt) and output 220-240 V , 50 Hz offered to be supplied with offered Dental Chair	false	true , false

unit

* Bold specifications are the golden parameters.

Consignees and Quantity

S.No.	Consignee	Address	Quantity	Delivery Days
1	HARENDRA DEY	793018,P.O. NEIGRIHMS, Mawdiangdiang, Shillong	1	60

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Special terms and conditions for category Dental examination chairs

1) (a). The buyer shall ensure the availability of suitable space/site for installation of dental examination chair(s) before ordering the same. Buyer's facility shall be provided ready with power and water supply. The seller shall be required to supply, install the ordered equipment on turn-key basis (as per the scope of installation i.e. installation of dental chair unit with/without development of operator's work area), before offering the same for acceptance to the Buyer.

(b) If the Seller offer the product with scope of Installation as Installation of dental chair unit, the same implies that the Seller shall carry out installation of the dental chair at Buyer facility on turnkey basis. The Seller will do all the necessary civil, electrical, Plumbing other changes required for the effective installation and functioning of the Dental Chair. All consumables required for installation and standardisation of system be given free of cost. Necessary cables and all other accessories those are required for the smooth functioning of the system to be supplied.

(c) If the Seller offer the product with scope of Installation as Installation of dental chair & development of operator's work area [12 feet x 12 feet area per dental chair unit]: the same implies that the Seller shall carry out installation of the dental chair at Buyer facility on turnkey basis. The Seller will do all the necessary civil, electrical, Plumbing other changes required for the effective installation and functioning of the Dental Chair. All consumables required for installation and standardisation of system be given free of cost. Necessary cables and all other accessories those are required for the smooth functioning of the system to be supplied. Seller shall carry out installation of the dental chair at Buyer facility on turnkey basis. The Seller will do all the necessary civil, electrical, plumbing other changes required for the effective installation and functioning of the Dental Chair. All consumables required for installation and standardisation of system be given free of cost. Necessary cables and all other accessories those are required for the smooth functioning of the system to be supplied. Seller will also provide modular furniture with sink for dental operator, interior furnishing with the requisite furniture, storage, cupboards, etc for the Operator's area size as a part of turn key installation. Cabinetry drawers shall be with clean lines and a large storage capacity with provision for the Proper stacking of Instruments, shall be opened by push- latch or with handles. Fixtures should include modular work station with a size of 6 X 2.5 ft. With acid and fire resistant table top, high quality wash basin and one unit of X-Ray

viewer(LED Based).

Buyer Specific Additional Terms and Conditions

1. **Scope of supply (Bid price to include all cost components) :** Supply Installation Testing and Commissioning of Goods

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

---Thank You---