<u>दररेट उपलब्ध गराउने सूचना</u> वेवसाईटमा प्रकाशित मितिः २०८२/०३/०८

आ. दू. २०८२/०८३ का लागी यस अस्पतालको नयाँ सेवा डेन्टल सेवामा आबश्यक पर्ने देहाय वमोजिमको Technical Specifications अनुसार तपशिलको मेसिन औजार तथा Consumables हरूको वोलपत्र माध्यमवाट खरिद गर्नुपर्ने भएकाले आबश्यक कागजातहरू समेत संलग्न गरि आफुले सप्लाई गर्ने अस्पतालजन्य देहाय वमोजिमका मालसमानहरूको विवरण खुलाई यस कार्यालयमा सोझै वा bpkmchprocurement@gmail.com/ bpkmchhospital@gmail.com/directorbpkmch@gmail.com ईमेल ठेगानामा तपशिलमा उल्लेखित वमोजिमका प्रति एकाई दररेट सहित यो सूचना प्रकाशित गरिएको मितिले ७(सात) दिन भित्र दररेट पेश गर्नुहुन सम्बन्धित ईच्छुक सप्लायर्सहरूमा जानकारीको लागी यो सूचना प्रकाशित गरिएको छ ।

Technical Specifications for Dental Unit

S.N.	Hospital proposed Specifications	Bidder's Offer	Remarks
5.11.	Dental Unit		
	Manufacturer		
	Brand		
	Type / Model		
	Country of Origin		
1	Description of Function		
.1	The dental chair and unit is required for dental		
1.1	examination and surgery.		
2	Operational Requirements		
2.1	The complete unit with dental chair and hand- pieces is required.		
2.2	Complete unit with Micro motor, Air Rotor, Air motor, Ultrasonic Scaler, Micro motor (approx2500 to 4000-rpm range) and Motorized suction.		
3	System Configuration		
3.1	Dental Chair-High End complete unit and		-
5.1	with complete accessories.		
4	Technical Specifications		
4.1	 Dental Chair Specifications: 1 unit Fully motorized hydraulically self- adjusting Chair with lifting capacity of minimum 150 Kg. Corrosion free construction and durable scratch resistant epoxy paint 		
	 finish Must have seamless ultra-thin upholstery to facilitate easy cleaning/disinfecting Double articulating headrest for comfortable support. Must have flip head rest to be used on patients on wheelchairs. 		

S.N.	Hospital proposed Specifications	Bidder's Offer	Derrord
	Foot switch with multifunction. If		Remarks
	must provide all chair movements,	^{HD} SPITAL	
	adjustable and programmable 20105/159210	440	
	position, movement of return to zero	10°	
	and emergency stop.		
6 6	The hand-rests must be fully		
	adjustable and must rotate out of the		
	way of the patient when he steps off.	ъ ^{се} .	
.2	Dental Unit Specifications: 1 unit		· · · · · · · · · · · · · · · · · · ·
	• Must be attached to the chair with	200 1	й
	overhead delivery system to		
	accommodate up to following 4		
	modules:		
	i- One Turbine connections		
	with hand-piece		
	ii- One air-motor connection		
	with air-motor and hand-		
	pieces (straight & contra)		
	iii- One fibre optic air rotor		
	connection with quick		
	disconnect coupling and light		
* <u>§</u>	cure unit to be attached to the		
	same coupling		
	iv- One 6way-syringe with	ан ал айтан ал айтан ал айтан айт	
	removable tip for sterilization.		p
	v- All the controls of the chair		
	must be touch pad on doctor's		
	and assistant's sides.		
	• The design must be such that it can be		
	simply cleaned and disinfected to		
	reduce the possibility of cross		
	infection. Autoclaveable pad must be		
	provided on the Unit where the hand		
	pieces are placed.		
	• Must have to reservoirs of water and		
	disinfectant with automatic		
	pressurization		
	 Must have a non-retraction valve to 		
	avoid the reflux of contaminated		
	materials		
	• Automatic hand pieces selection		
	through sensitive pneumatic valves		5 St
	 Integrated 17 inches LCD/TFT 		
	Monitor must be provided for RVG.		
3	Spittoon/Water Unit Specifications: 1 unit		
	Removable porcelain bowl, cup filler		а. — У
	and spittoon nozzles which can be		
	cleaned easily.		
	• Water must get ON in the spittoon		
с., к	automatically as soon as the patient		
	gets up for spitting.		
-	 Adjustable Timer up-to 15 seconds 	1	
	• Autistanie Limer un to 15 coocende		

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S.N.	Hospital proposed Specifications	Bidder's Offer	Remarks
	water flow in the spittoon		
	• One 3 way syringe must be there on		
	the assistant side		
	 Must have Hi/Lo suctions with easy 		
	reach filters. The high suction must be		
÷ 1.	powered through a motorized unit.		
* *	 Swivel spittoon must be provided. 		
4.4	Operating Light Specifications: 1 unit		
	• With luminosity adjustable from		
	approx. 20000 to 30000 lux with 180		
	degrees of rotation of light arm	5	
	movements.		
	• Must get ON and OFF with No-touch		
	system for maintaining proper		
	sterilization while working.		
	• Light must allow Vertical, Horizontal,		
	and Axial & Diagonal Movements for		
0	proper focusing.		
4.5	Oil Free Air Compressor(Medical Grade):		
-	1 unit		
<i>b</i>	• It must have Air moisture filter		
	It must have Non-retraction valve		
	It must have Programme		
	• It must have Pressure gage		
	• It must have Air tank (capacity of		
	approx. 30 Lt. Or more)		
ŀ	• It must have Auto cut-off switch		
	• It must give medical grade Air which		
.6	is absolutely oil free		
1.0	LED Light Cure Unit / Modular Light		
	Cure Unit Specifications: 2 units		
	• Advances in the power output of light		
. ⁶⁷	emitting diodes (LEDS) have allowed		
	a LED light curing unit (LCU) with		
	an approx. 8 mm diameter light guide		
	tip to achieve a similar depth of cure		a 1 a P
	in a camphorquinone photo initiated		
	composite, as a halogen LCU.		
	• Blue LEDs can be used as photo		
	detectors and may be of future use in		
	dental radiometers.		
	• When assessing the output from an		
	LCU it is not only important to know		
	the spectrum and irradiance, but also		
	whether the emission is pulsed or		
7 D	continuous.		
ען א	ental Scaler Specifications: 2 sets		
	Microprocessor/microcontroller based		
	system having piezoelectric		
	technology		
1	• Having torque, tool for tightening of		
	the tip.	1. 44	
	• High power turbo mode and low	in a sub line.	रामारियल कार
	power perio mode		ALL AND AND A

S.N.	Hospital proposed Specifications	Bidder's Offer	Remarks
	• Having titanium tip adapter		
	• Basic vibration frequency of 25-50	а	
	KHZ		
	• Separate control for water and tip		
	vibration.		
1.5	• Autoclaveable hand piece.		
	• Ten tips for scaler and one endodontic		
	kit with ten sets of Ni Ti reamer and		
	files, spreaders, pluggers with each set		
4.8	Foot Control: Single foot control for all		
	instrumente miller i 11		
10	instruments with variable speed control		
4.9	Mounted Dental X-ray box (OPG film size)		
	LED Generated		
4.10	Preferably have Provision for Remote		
	Diagnostics through RS-232C serial interface		
	or equivalent.		
4.11	Shall be supplied with inbuilt/external dental		
	suction machine		
5	Accessories, spares and consumables		
	Accessories:		
	• Dental Stool: Stable with 5-castor		
	base, with load stabilizing gas spring.		
	- 4 Nos. (two for Dental surgeon and		
	two for Assistant)		
s 8			
	• Dental UV sterilizer cabinet of		
	capacity approx 30 L. It shall be		
	USFDA/CE certified product-1 unit	~	
	• Filling Instrument- 10 sets		
2 A	• Hand scaler (manual scaler)- 2 sets	٠.	
	 Kidney tray- 15 set 		
ан 3 — У	• Extraction forceps (Primary teeth		
	extraction forceps -25 sets and		
	permanent teeth extraction forceps- 15		
	sets)		
	• Cement spatula -5 sets		
	 Periosteal elevator- 12 sets 		
-			
	• Straight elevator – 5 sets		
	• Crier Elevator(right and left)- 3 sets		
	• Slow and high speed hand piece-		
	2sets		
	 Impression trays – 3 sets 		
	 Diagnostic instrument with trays for 		
	Instrument- 20 sets		
	 Apexo Elevator-4 sets 		
	• Third molar forceps (upper and		с 8
	lower)- 4 sets		· · · · · ·
	 Bianote(root extraction forceps)- 4 	а. С	
	sets		ti situatee etatii ti
	NY MARKANA AND A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR OF	\$	
	• Hockey stick/warmicjames stick – 2	4	
	sets(right and left)	Ś.	
	 Impaction set to remove impacted 		हा होसीरियल क्यान्त्र
	4		A MARINA MARINA
	teeth- 2 sets		73° 0 9

S.N.	Hospital proposed Specifications	Bidder's Offer	Remarks
	• 245 bur – 5 pcs		
	• Round bur(S/M/L)- 5 pcs each	d o	
	 Articulation paper- 10 pcs 		
	• Reamer and file upto number 80 file -	ана стана стана Экономика стана с	
	5 pcs each		
2	• Sugtion tips- 500 pcs		
	 Composite finishing bur- 2 sets 		
	 Crown cutting bur- 2 sets 		
	 High speed and low speed bur-2 		
	 Prefabricated crown for primary teeth- 		
	2		
	• Rubber cup- 2 sets		
5.2	All standard accessories, consumables and		
	parts required to operate the equipment.		
	including all standard tools and cleaning and		
	lubrication materials, to be included in the		
	offer. Bidders must specify the quantity of		
	every item included in their offer (including		
	items not specified above).		
6	Operating Environment		
6.1	The system offered shall be designed to		
	operate normally under the conditions of the		
	purchaser's country. The conditions include		
	Power Supply, Climate, Temperature,		
	Humidity, etc.		
6.2	Power supply: 220 – 240 VAC, 50Hz fitted		
	with appropriate plug. The power cable must		
_	be at least 3 metre in length.		
7	Standards and Safety Requirements		
7.1	Must submit ISO certificate Medical Devices AND	2	
7.2	CE or USFDA approved product certificate.		
8	Training		
8.1	Must provide user training to user and		
	Biomedical staffs (including how to use and		
	maintain the equipment).		
)	Warranty		
9.1			
••	Comprehensive warranty for 5 years from acceptance.		
0	Maintenance Service During Warranty		
	Period		
0.1			
5.1	During the warranty period supplier must		
5 F.	ensure planned preventive maintenance (PPM)		
er en e	in at least every six month and		
	corrective/breakdown maintenance whenever		
	required.		
1	Installation and Commissioning		
1.1	The bidder must arrange for the equipment to		
	be installed and commissioned by certified or		
	qualified personnel; any prerequisites for	<u>.</u>	कामोरियल का
1	undulled Dersonnel' any prerequisitor for		AN AND I TODA

S.N.	Hospital proposed Specifications	Bidder's Offer	Remarks
	installation to be communicated to the		
8	purchaser in advance, in detail.	×	
12	Documentation		
12.1	User (Operating) manual in English	· · · · · · · · · · · · · · · · · · ·	
12.2	Service (Technical / Maintenance) manual in English		
12.3	List of important spare parts and accessories with their part number and costing.		
12.4	Certificate of calibration and inspection from factory.		
	Note: Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the original catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.		

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204905/1992

Bidder's offer

Remarks

Hospital proposed Specifications

Dental X-ray system

S.N.

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Manufacturer Brand Type / Model **Country of Origin Description of Function** 1 A method for X-ray imaging of mouth with intra oral imaging, 1.1 method comprising placing at least one image sensor inside the mouth, radiating from outside of the mouth with X-ray source, receiving X-ray radiation to form image 2 **Operational Requirements** Mobile dental x-ray machine with intra-oral sensor, complete 2.1 unit. 3 **System Configuration** Dental X-ray Machine with intra-oral sensor, image transfer 3.1 system (PC) and other complete accessories. 4 **Technical Specifications** 4.1 **Dental X-ray Machine** X-ray machine must be portable/ handheld. 4.1.1 4.1.2 X-ray tube current: Current - 2.5 mA or Below 4.1.3 Tube voltage: approx 60-70KV 4.1.4 Focal spot: 0.4 mm or Below Exposure Time Range - 0.05 sec-0.5 sec or more Selectable 4.1.5 4.1.6 Total Filtration - Min. 1.5 mm Al 4.2 Intra- Oral sensor(RVG sensor) 4.2.1 Technology- CMOS Active Area: Approx 24 x 33mm 4.2.2 Sensor Size: approx 1.5" 4..2.3 4.2.4 Sensor thickness- less than 5 mm 4.2.5 Shall be water and dust proof 4.2.6 Theoretical Resolution: 16.8 lp/mm or more Should be supplied with branded PC having minimum 4.3 I7 Processor, min.8GB RAM,1 TB HDD, min 1 Gb graphics card, windows 10 (genuine), min 19 inch Monitor Accessories, spares and consumables

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S.N.	Hospital proposed Specifications	Bidder's offer	Remarks
5.1	Accessories:		
5.1	• Lead apron, 0.50 mm lead equivalence with - 01 no.	5	
	• Thyroid guard/protection collar for adult & paediatric: 01	2	10 20
	• Thyroid guard/protection collar for adult & paediatric: 01 set each.		an a
	• Gonadal sheath, paediatric (male/female): 01 set each.		the an a
2.9	Lead goggles for eye protection.		
5.2	All standard accessories, consumables and parts required to		
5.2	operate the equipment, including all standard tools and cleaning		- "- 251 11
	and lubrication materials, to be included in the offer. Bidders		
	must specify the quantity of every item included in their offer		
	(including items not specified above).		· · · · ·
6	Operating Environment		
6.1	The system offered shall be designed to operate normally under		
0.1	the conditions of the purchaser's country. The conditions include		
	Power Supply, Climate, Temperature, Humidity, etc.		
6.2	Power supply: $220 - 240$ VAC, 50 Hz fitted with appropriate plug.		
0.2	The power cable must be at least 3 metre in length.	4. 4.	
7	Standards and Safety Requirements		
7.1	Must submit ISO certificate AND		
7.2	CE or USFDA approved product certificate.		
8	User Training		1
8.1	Must provide user training (including how to use and maintain the		
0.1	equipment).		
9	Warranty		
9.1	Comprehensive warranty for 5 years after acceptance.		
10	Maintenance Service During Warranty Period		
10.1	During the warranty period supplier must ensure		
10.1	corrective/breakdown maintenance whenever required.		
11	Installation and Commissioning	er" e o	
11.1	The bidder must arrange for the equipment to be installed and		
11.1	commissioned by certified or qualified personnel; any		
	prerequisites for installation to be communicated to the purchaser		
	in advance, in detail.	e a hi a	
12	Documentation		
12.1	User (Operating) manual in English		
12.2	Service (Technical / Maintenance) manual in English		
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508 - 6.5 15	number and costing.		
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	Note: Bidder must completely fill the Technical Specification		
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	committee.		

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