वी.पी.कोइराला स्वास्थ्य विज्ञान प्रतिष्ठान धरानको
कोटेशन माग गरिएको सूचना ।
(सूचना प्रकाशित मिति:२०८३।०७।१०)

यस प्रतिष्ठानको Neurosurgery & Spine Surgery को लागि आवश्यक **High Speed Drill Machine - 1 Set** खरिद गर्नुपर्ने भएकोले अनुमानित लागत प्रयोजनको लागि व्यवसाय (फर्म) दर्ता प्रमाणपत्र, मु.अ.कर दर्ता प्रमाणपत्र, आ.व. २०८१/०८२ को कर चुक्ताको प्रमाणपत्रको प्रतिहरू संलग्न गरी यो सुचना प्रकाशित मितिले ५ (पाँच) दिन भित्र कोटेशन पेश गर्नुहुन सुचित गरिन्छ । माग गरिएको कोटेशन तोकिएको म्याद भित्र प्रतिष्ठानको दर्ता, चलानी फाँटमा दर्ता गर्नुहुन वा quotation.procurement@bpkihs.eduमा email मार्फत पेश गर्नुपर्नेछ ।

High Speed Electrical Drill for Neurosurgery

	Purchaser's Specifications	Bidder's Offer
	Electric Drill for Neurosurgery	Electric Drill for Neurosurgery (Brain and Spine surgery)
	Manufacturer	
	Brand	
	Type/Model	
	Country of origin	
	Technical Specifications	
	Micro speed Control Unit-1units	
	It should have Touch Screen or high resolution graphical display interface, capable of displaying operational status (speed, direction, irrigation)	
	It should have two motor connection sockets for effortless switching between motors.	
	System must include an integrated or modular peristaltic irrigation pump controlled through main console/foot switch with adjustable flow rates.	
	It should be capable of recognizing automatically the moto· ·ype connected and adjust the settings respectively	
	It should have customizable settings: Acceleration and stopping characteristics for individual motors, oscillation angle and much more.	
	The control unit screen interface must display real time operational status including speed, rotation, direction, oscillation and irrigation flow.	
	The control unit should feature internal memory of customizable user preset, but better if it can save the last configurations.	
	The control should be c pable of controlling Speed, Irrigation, Reverse rotation and Priming on the screen	

The control unit must feature adjustable speed, direction, torque and braking parameters through user interface

The system should have excellent cutting, and weight balance during drilling

Handpieces and attachments are thermo disinfector compatible

Foot Control-1 units

It should have foot control ON/OFF switch and irrigation ON/OFF

It should be able to switch between the two motors

It should be able to flush the irrigation

The footswitch should be variable speed control

It should be Heavy duty luid resistant food pedal (minimum IPX8 rated or equivalent validated protection against water ingress) with speed control and switchable features.

Cable of foot pedal may be 4 to 5m or more

High Speed Motor with cable -1pcs

It should be slim design, compact and light

High speed rotation of maximum 70000 to 80000 / min or higher and adequate torque for cranial and spinal bone cutting.

The cable should be min 3 meters or more

There should be no rotating outer parts in the motor.

Craniotome attachment -2pcs

Craniotomy hand piece unit supplied with matching reusable/ disposable duraguards suitable for pediatric standard and thick cranial bone cuts.

The smooth and powerful cutting avoiding additional stress to the surgeon.

Maximum Speed 70000 to 80000 / min or more

Endoscopic endonasal skull base surgery attachment-2pcs

Should include specialized endonasal/ skull base angled or curved attachment with small bur profile for endoscopic procedure.

The Bur Guard shall have a curved profile with smaller tip diameter to enhance surgical visibility and access

The Bur Guard shall incorporate an internal irrigation mechanism to maintain a clear surgical field and minimize heat buildup.

Is should have disposable type 2mm, 3mm, 4mm, 5mm diamond bur with straight and angled attachments suitable for endoscopic endonasal surgery

Standard Angled attachment -2pcs

Maximum Speed 70000 to 80000/min or more

All couplings attachment must be a keyless plug and play couplings

Attachment must accept manufacturers standard reusable and disposable burs. Bidders must supply all matching bur types and sizes as specified.

Working length of attachment 60-90mm/95-130mm/130-160mm approx.

Perforator Handpiece/ Attachment-1pc

It should provide smooth and powerful cutting with stable torque.

Standard perforator driver hand piece compatible with standard Hudson/ reusable and disposable perforator burs/bits, also for MIS/UBE attachments of appropriate working length of deep surgical access

It should have dura protection mechanism.

It should have speed of 800 to 1200 / min or more

Should supply perforator cutter 6-8 mm for pediatric and 9-14 mm for adult, reusable (2pcs)/ disposable perforator cutter (30pcs), spare cutter (1 pc)

MIS/ UBE Spine Attachment

It should have angled design

It should have different reusable straight endoscopic sheath of length 120-140 mm (short) and 160-180 mm (standard)and 200-230mm (long) : 1 unit each

It should have protective sheath at the tip of bur

Should supply 2mm, 3mm, 4mm and 5.5mm coarse / fine diamond bur-2pcs each

should supply 2mm, 3mm and 4mm fluted/ carbide(barrel or round) bur-2pcs each

Burs

Attachment must accept manufacturers standard reusable and disposable burs. Bidders must supply all matching bur types and sizes as specified.

Bidders must provide a comprehensive catalog of compatible resuable/ disposable burs

Diamond 2mm, 3mm diameter -2pcs each

Diamond 4mm diameter -2pcs each

Rose head 3mm diameter -2pcs each

Rose Head 4mm diameter -2 pcs each

Matchstick 1.8mm, 3mm diameter -2pcs each

Fluted carbide Cutter 3mm, 4mm : 2 pcs each

Standards and Safety Requirements

Must Submit ISO 13485 for Medical Devices

Must submit valid European CE (93/42 EEC Directives) approved product certificate or US FDA clearance approved product certificate.

Must meet IEC-60601-1 electrical safety),IEC 60601-1–2 (General Requirements of Safety for Electromagnetic Compatibility.)

User Training

Must provide user training (including how to use and maintain the equipment)

Warranty

Comprehensive warranty for 2 years for manufacturing defects excluding attachments and consumables (perforators and burs).

Bidders must submit a fixed price list for all compatible disposable and reusable burs , perforator bits guaranteed for the duration of 2 years warranty period

Bidders must quote post warranty comprehensive annual maintenance contract rates for consoles, foot pedal, high speed motor and reusable attachments/hand pieces (Burs and single use items shall be offered under a fixed unit price agreement during the contract period), labor and preventive maintenance for 5 years (3 to 7 yrs), which will be favoured for financial evaluation

During warranty period supplier must ensure preventive maintenance & corrective/breakdown maintenance whenever required

Installation and Commissioning

The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.

Final acceptance and payment release are subject to successful installation, joint inspection by the biomedical engineering team and r_urosurgery department and electrical safety testing (IEC 60601-1 certificate)

Turn around time and loaner unit recruitment

The successful bidder must provide technical service response within 24 hours of call registration . If equipment downtime exceeds 48 hours, the vendor must provide a standby/loaner motor console unit free of charge

Documentation

User (Operating) manual in English

Service (Technical / Maintenance) manual in English