



Quotation Advert

Opening Date: 2020-06-09 

Closing Date: 2020-06-17 

Closing Time: 11:00

INSTITUTION DETAILS


Institution Name: Church of Scotland hospital

Province: KwaZulu-Natal

Department or Entity: Department of Health

Division or section: Central Supply Chain Management

Place where goods / services is required: OT & CSSD

Date Submitted: 2020-06-08 

ITEM CATEGORY AND DETAILS

Quotation Number: ZNQ:
108/20-21

Item Category: Goods

Item Description: CEILING MOUNTED THEATRE LIGHTS LED WITH 4000 OF 6000 LUX AND
THEATRE LIGHT HANDLE

SEE THE ATTACHED SPECIFICATION

Quantity (if supplies): 2,2

COMPULSORY BRIEFING SESSION / SITE VISIT

Select Type: Not Applicable

Date: 

Time:

Venue:

QUOTES CAN BE COLLECTED FROM: QUOTES ARE ATTACHED TOGETHER WITH THE SPECIFICATION

QUOTES SHOULD BE DELIVERED TO: CHURCH OF SCOTLAND HOSPITAL, MAIN ROAD TUGELA FERRY 3010

ENQUIRIES REGARDING THE ADVERT MAY BE DIRECTED TO:

Name: LIHLE SOKHELA

Email: lihle.bhengu@kznhealth.gov.za

Contact Number:

Finance Manager Name:





033 493 1156/1033

MR L. KAULEZA

Finance Manager Signature:



No late quotes will be considered

 Submit |  Save | Save As... |  Close |  Print Preview

Print this page

Note:

1. The completed Quotation Advert must be printed and signed by the Finance manager.

STANDARD QUOTE DOCUMENTATION SUPPLY CHAIN MANAGEMENT OVER R30 000.00

YOU ARE HEREBY INVITED TO QUOTE FOR REQUIREMENTS AT: CHURCH OF SCOTLAND HOSPITAL
 DATE ADVERTISED: 09/06/20 CLOSING DATE: 17/06/20 CLOSING TIME: 11:00
 FACSIMILE NUMBER: 0334931124 E-MAIL ADDRESS: Noluthando.Mchunu@kznhealth.gov.za
 PHYSICAL ADDRESS: R33 DUNDEE MAIN ROAD TUGELA FERRY 3010

ZNQ NUMBER: 108/20-21
 DESCRIPTION: SUPPLY AND DELIVER CEILING MOUNTED THEATRE LIGHTS LED WITH 4000
 CONTRACT PERIOD: ONCE OFF VALIDITY PERIOD 60 Days SARS PIN.....
(if applicable)

CENTRAL SUPPLIER DATABASE REGISTRATION (CSD) NO.

UNIQUE REGISTRATION REFERENCE

DEPOSITED IN THE QUOTE BOX SITUATED AT (STREET ADDRESS)
TENDER BOX IS SITUATED AT THE HOSPITAL MAIN ENTRANCE

Bidders should ensure that quotes are delivered timeously to the correct address. If the quote is late, it will not be accepted for consideration.

The quote box is open from 08:00 to 15:30.

ALL QUOTES MUST BE SUBMITTED ON THE OFFICIAL FORMS – (NOT TO BE RE-TYPED)

THIS QUOTE IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2011, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

THE FOLLOWING PARTICULARS MUST BE FURNISHED
 (FAILURE TO DO SO WILL RESULT IN YOUR QUOTE BEING DISQUALIFIED)

NAME OF BIDDER
 POSTAL ADDRESS
 STREET ADDRESS
 TELEPHONE NUMBER CODE.....NUMBER..... FACSIMILE NUMBER CODENUMBER.....
 CELLPHONE NUMBER
 E-MAIL ADDRESS
 VAT REGISTRATION NUMBER (if VAT vendor)

HAS A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE BEEN SUBMITTED? (SBD 6.1) YES NO

[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/SWORN AFFIDAVIT (FOR EMEs& QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]

OFFICIAL PRICE PAGE FOR QUOTATIONS

ZNQ NUMBER: 108/20-21

DESCRIPTION: SUPPLY AND DELIVER CEILING MOUNTED THEATRE LIGHTS LED WITH 4000

SIGNATURE OF BIDDER DATE.....
 [By signing this document I hereby agree to all terms and conditions]

CAPACITY UNDER WHICH THIS QUOTE IS SIGNED.....

Item No	Quantity	Description	Brand & model	Country of manufacture	Price	
					R	c
		SUPPLY AND DELIVER				
	02	CEILING MOUNTED THEATRE LIGHTS LED WITH 4000				
		OF 600 LUX				
	02	THEATRE LIGHT HANDLE				
		SEE THE ATTACHED SPECIFICATION				
		PLEASE ATTACH THE FOLLOWING :				
		*BEE CERTIFICATE/ SWORN AFFIDAFIT				
		* TAX CERTIFICATE				
		HOSPITAL				
VALUE ADDED TAX @ 15% (Only if VAT Vendor)						
TOTAL QUOTATION PRICE (VALIDITY PERIOD 60 Days)						

Does This Offer Comply With The Specification?	Does The Article Conform To The S.A.N.S. / S.A.B.S. Specification?
Is The Price Firm?	State Delivery Period E.G. E.G. 1day, 1week

Enquiries regarding the <u>quote</u> may be directed to: Contact Person: MRS L. SOKHE Tel: 033 493 1156 E-Mail Address: lihle.bhenqu@kznhealth.gov.za	Enquiries regarding <u>technical information</u> may be directed to: Contact Person: MR S. MKHIZE Tel: 033 493 1048
---	--

CREATED: 11/10/2019

PROVINCE OF KWAZULU-NATAL

DEPARTMENT OF HEALTH

HEALTH TECHNOLOGY SERVICES – CLINICAL ENGINEERING (H.T.S. – C.E.)

SPECIFICATION FOR:
Ceiling mounted theatre lights

UMDNS: Not applicable
SPECIFICATION: H.T.S. E265/2

Description:

Ceiling mounted theatre light used to illuminate surgical space in an operating theatre.

Intended Areas of Use:

Tertiary Hospitals
Regional Hospitals

Expert Advisory Group:

Dr V Govindasamy
Dr L Marais

**NB: GENERAL CLAUSES THAT DO NOT APPLY TO THE EQUIPMENT OFFERED, MUST BE ANSWERED
'NOT APPLICABLE' UNDER BIDDERS COMMENTS.**

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
Clause G1	<p>The space provided under "Bidder's Comments" for each clause must be used for this purpose. Bidders who neglect to provide answers to every Clause in this Bid Specification will be disqualified. Bidders must note that abbreviated answers e.g. N/A etc. will not be accepted.</p> <p>Bidders must also note that no part of any clause/s in this Bid Specification may be altered. Where there are traces of alterations found to any clauses in this Bid Specification during Adjudication, the Adjudication Committee will reserve the right to disqualify the bidder. The Bidder must clearly indicate if their offered product complies with the stated requirements, by indicating, "Complies" or "Does not comply" or answer the question next to the corresponding clause.</p>	
Clause G2	All responses must be clear and legible.	
Clause G3	GUARANTEE:	
Clause G3.1	<p>All Equipment, Materials and Workmanship provided under this Contract must be Guaranteed for a minimum period of twenty four (24) Months. The successful bidder must arrange with the respective Hospital / Institution and the Health Technology Services before Commissioning the Equipment at the respective Hospital / Institution.</p> <p>The bidder to note that the Guarantee period must only take effect upon successful Commissioning at the respective Hospital / Institution and successful test and acceptance by the Health Technology Services.</p>	
Clause G3.2	State percentage guaranteed up time of machine (Should be at least 99%).	
Clause G3.3	The recommended number of services, per annum, by the manufacturer, must be included during and up until the end of the guarantee period and all costs related to the provision of such service/s will be for the bidders account.	
Clause G3.4	The bidder must state the number of services that will be provided during and up to the end of the guarantee period.	
Clause G3.5	Any breakdown during the guarantee period must include all cost (spares, labour, travelling and sundries) for any prescribed maintenance services (major and minor) as well as any QA testing that is required by Department Health's Radiation Control Board during the guarantee period.	
Clause G3.6	Travelling and Travelling Time costs must be included during the Guarantee Period?	
Clause G3.7	Spares that may be required during the Guarantee Period will be supplied at the expense of the bidder.	
Clause G3.8	Downtime during the Guarantee Period must extend the Guarantee time on a Day-to-Day basis.	
Clause G3.9	Any repetition (twice or more) of the same type of fault that first occurred during the guarantee period must be considered as a repair under guarantee if it occurs within the first year after the expiry of the guarantee period.	
Clause G3.10	The same guarantee conditions must apply to replacement units.	
Clause G4	The successful bidder must Supply, Deliver, Commission and install the Equipment and will be required to demonstrate the product to the applicable Staff at the Institution and costs for the abovementioned must be included in the final bid price.	
Clause G5	Bidders must offer the Health Technology Service's In House Technicians a demonstration or a reference installation of the product where possible, which will enable the Health Technology Service's In House Technicians to become acquainted with the equipment during the Test and Acceptance phase.	
Clause G6	Preference may be given to a make and model that has been technically and clinically evaluated by a Government Institution within the R.S.A. (Attach proof of evaluation where applicable).	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
Clause G7	The successful bidder must provide the Health Technology Service's in house Technicians, full training in the calibration, maintenance, service and repair of the product down to PCB Level. N.B. The quality and level of the training must be equivalent to the manufacturer's original factory training and any costs incurred to provide this training will be for the bidders account. A Certificate of Competency must be issued on completion of the training. The Training must be provided by the successful bidder to the Health Technology Services within three months from date of initial supply and delivery of the equipment to the end user.	
Clause G8	MAINTENANCE	
Clause G8.1	The bidder must have a well-established service and repair facility in KwaZulu-Natal, to service, repair and calibrate the equipment offered. (The Health Technology Services reserves the right to inspect the premises).	
Clause G8.2	If the service is subcontracted to a local service agent, a signed copy of the letter of appointment by the bidder and acceptance by the subcontractor must be submitted with this bid / quotation. (The Health Technology Services reserves the right to inspect the premises).	
Clause G8.3	State Number of other medical equipment "Repair & Service" Agencies (excluding your Agency) represented by the subcontractor.	
Clause G8.4	Supply the Name, Address and Telephone Number/s of the Local Service Department within KwaZulu-Natal. Please supply details as follows: Company name : _____ Physical Address : _____ _____ Telephone Number/s : _____ Fax number : _____ <i>(The Health Technology Services reserves the right to inspect the premises).</i>	
Clause G8.5	State if the Technician(s) are in the direct employ of the bidder or a subcontractor.	
Clause G8.6	The bidder must supply information on the number of Technicians permanently working in KwaZulu-Natal and their names and contact Telephone Number/s must be listed (Directly employed or subcontracted) in an annexure to the bid document.	
Clause G8.7	The Technician(s) must be original equipment manufacturer (OEM) trained to deal with the service, repair and calibration of the equipment quoted on. N.B. Proof of original equipment manufacturer training must be submitted with this bid / quotation offer.	
Clause G8.8	The Institution's requirement is that a technician is available within a reasonable time (24 hours) to attend to malfunctioning equipment. The Bidder to state the technician per install base e.g. equipment ratio to technician ratio, e.g. 1 technician per 10 pieces of equipment.	
Clause G9	The bidder must Guarantee that no additional equipment will be required for the successful operation of the equipment bid for on delivery and commissioning at the customers site. A starter pack of all essential accessories and disposables must be supplied so that the unit can be put into immediate operation. The cost of the starter pack must be included in the final bid price.	
Clause G10	Optional accessories must be offered for separately on the Schedule of optional accessories found at the end of this Technical specification, indicating catalogue numbers, correct descriptions and Prices inclusive of V.A.T.	
Clause G11	Bidder must state the period of time for delivery of Spare parts following the receipt of an official order as follows: 0 to 10 days; 0 to 20 days; 0 to 30 days; 0 to 60 days; 0 to 90 days; more than 90 days.	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
Clause G11.1	The Bidder must supply with this offer a list together with the quantities of spares held locally in stock in the KwaZulu-Natal Province on the offered product. The Health Technology Services reserves the right to inspect the premises to verify the spares stock held.	
Clause G12	The bidder must include a firm commitment in writing, which must be attached with this bid that they would supply spares, components, upgrades, complete original service / repair manual, technical support and ongoing training support for technical staff of the Health Technology Services and the end users Department of Health, KwaZulu-Natal throughout the life cycle of the equipment offered.	
Clause G13	Spares must be available for 10 (Ten) years from the original equipment manufacturer for the product offered.	
Clause G14	The successful bidder must include in their offer at no extra cost to the final bid price:	
Clause G14.1	Complete user Operation / Maintenance Manual x 2 (two) Book / File; CD; DVD copies in English Language.	
Clause G14.2	Complete ORIGINAL Service / Repair Manual x 2 (two) Book / File; CD; DVD copies in English Language which MUST include the following information: Fault Finding Guide, Circuit Diagrams / Schematics, Circuit Descriptions and PCB Layouts, Calibration Guide, Part Numbers and exploded diagram of Mechanical Parts / Panels.	
Clause G14.3	All the above Manuals must be properly bound in either a Book, File or CD form.	
Clause G14.4	The Bidder must supply all software (including software-keys and / or passwords) to allow for trouble shooting (fault finding), maintenance, calibrations, repairs and services at no additional cost.	
Clause G15	Does your Company have an after hour service back up facility.	
Clause G16	If the equipment is taken away for repairs, a loan set must be made available on request to the end user by the Institution until the Institution's unit is returned. All costs incurred for providing the loan unit must be for the bidders account.	
Clause G17	Bidder must bid on the latest model and Technology that fully complies with this Technical Specification.	
Clause G17.1	The Bidder must state how long this technology has been commercially available (state when the model offered was launched).	
Clause G17.2	The bidder must state if there are any near future updates expected.	
Clause G18	The successful bidder must maintain a system for notifying and providing users with Updates, Modifications, new Software Releases and Recalls.	
Clause G19	The successful bidders must arrange for an acceptance test of the equipment with the Manager of the Health Technology Services and the Hospital Manager. A copy of the original answered Specification, copy of the invoice order and relevant paperwork (PH form) from the receiving Hospital must be submitted with the equipment when the ACCEPTANCE TEST is to be undertaken.	
Clause G20	Where equipment bided for, operates off 230 Volt, 50Hz a.c. supply, bidder must ensure that the product being quoted for is fitted with a 15 Amp approved mains plug top, which is held together by two screws where applicable.	
Clause G21	The unit must comply with an acceptable International Electrical Safety Standard such as IEC 60601-1 and 60601-1-2 for Medical Equipment where the quoted equipment operates off an electrical supply.	
Clause G22	All equipment, the installation and any alteration / additions must comply with:	
Clause G22.1	The Occupational Health and Safety Act (1993);	
Clause G22.2	The wiring code S.A.N.S. 0142.	
Clause G24	The Mains Cable of the unit being quoted for must be the Hospital Grade Type and it must be a minimum length of (3) three metres , where applicable. N.B. The mains cable of the unit being quoted for must be S.A.N.S. color coded.	
Clause G25	The equipment being quoted for must be protected against Electro-magnetic Interference.	
Clause G26	Only new equipment must be quoted for. Refurbished and reconditioned equipment being quoted on will not be accepted.	
Clause G27	Bidders must note that dedicated test equipment, spare parts and any special tooling required for the upkeep and maintenance of the equipment quoted on must be available to the Health	

NO	SPECIFICATION	BIDDERS COMMENTS: STATE "COMPLIES" OR "DOES NOT COMPLY" OR ANSWER THE QUESTION.
	Technology Services to procure if requested.	
Clause G28	All the necessary calibration and maintenance software, where applicable, required to maintain and calibrate the equipment, must be supplied with the equipment to the Health Technology Services at no extra cost to the final bid price.	
Clause G29	NB. HAZARDOUS SUBSTANCE ACT:	
Clause G29.1	If this type of equipment / apparatus appears on the schedule of Hazardous Substances issued by the Directorate: Health Technology of the Department of Health, a license in terms of the Act on Hazardous Substances (Act. 15/1973) must be submitted with this bid document. The license must be registered under the bidders name or a letter of joint venture must be submitted by the license holder where the license is not in the name of the bidder. Bidders that neglect to submit a license will not be considered.	
Clause G29.2	Bidder must state the Radiation Control licence number of the make and model of equipment offered.	License No:
Clause G29.3	Where it has been established by the bidder that the equipment offered does not require Radiation Control licence, proof from the Radiation Control authority must be submitted with this bid document.	
Clause G30	The system offered must comply fully with or exceed all of the minimum specification requirements per the Technical Clauses.	
Clause G31	The offer submitted must be supported by descriptive literature, colour pamphlets, colour brochures and technical data sheets applicable to the offer (i.e. supporting information for all components of the system) must accompany the bid, failing which the bid will <u>not</u> be considered.	
Clause G32	The equipment and any accessories ordered from the successful bidder will be delivered, installed, tested, calibrated, demonstrated (including specified training) and commissioned in the specific Hospital at the expense of the successful Bidder, prior to full payment being made.	
Clause G33	All prices are to include V.A.T. and must be quoted in the South African currency. The price must be valid for a period of 180 days from closing date of bid.	
Clause G34	If the product offered is unknown to the Department, the Department reserves the right to have the unit evaluated by a team of Technical and Clinical <u>experts</u> with regards to its functionality, performance and quality. The decision of this committee will be used as a motivation for the evaluation and recommendation of the bid. For this reason a demonstration unit must be readily available, or the bidder must take arrange for demonstration with representatives of the Department for the equipment offered at a site within South Africa where a same make and model of unit is installed and is in full clinical operation. The cost of this site visit is for the account of the bidder and it must therefore not place any obligation on the Department to procure from the bidder.	
Clause G35	The Institution requesting the unit reserves the right to clinically trial and evaluate the unit in order to ensure that the unit meets the clinical requirements of the Department before adjudication of the bid.	
Clause G36	UPGRADEABILITY WHERE APPLICABLE:	
Clause G36.1	Bidders are to state the policy with regard to future software updates and the costs that will be involved.	
Clause G36.2	The Bidder to state what hardware and software will be available, with costs and projected dates.	
Clause G37	UPGRADE POLICY:	
Clause G37.1	All future upgrades (hardware and software) involving <u>patient safety</u> must be offered at no additional cost.	
Clause G37.2	All future upgrades removing software viruses from existing software must be supplied at no cost.	
Clause G37.3	Any upgrade before or after installation of the equipment involving additional cost must be brought to the attention of the Manager, Health Technology Services.	
Clause G38	The Bidder must indicate the expected life of their offered unit and software in years.	

TECHNICAL SPECIFICATION.

NO	SPECIFICATION	Give information or values where appropriate. Supply information on a separate sheet if space provided is inadequate.
Clause T1	This specification establishes the following requirements:	

	<ul style="list-style-type: none"> • De-installation of the existing theatre light and handing over to Maintenance Department for disposal. • Supply, delivery, installation (including all electrical work) and commissioning of a ceiling mounted theatre light. • <u>Demonstration and End-User training.</u> 	
Clause T2	The unit offered must be suitable for use in all theatres configured as follow:	
	1. Ceiling mounted.	
	2. Comprise of 2 equal light heads.	
	3. All light controls done on each light head control panel as well as a wall control panel independently.	
	4. Synchronization (control both lights on one control panel) of the control of the 2 light heads will be preferred.	
Clause T3	The unit offered must incorporate LED technology and comply with the following for each light head:	
	1. Central illuminance must adjustable in steps from 40000 Lux to 160000 Lux.	
	2. Color temperature adjustment must range from 3500 to 5000 K.	
	3. Color rendering index must not be less than 95 Ra.	
	4. Laminar flow compatible.	
	5. Light field diameter at a distance of 1 m must be 160 to 300 cm.	
	6. Maximum central illuminance must be 160000 Lux @ 1000 mm.	
	7. The light converging onto the operation site must be uniform, with no inconsistencies, colour changes or shadows.	
	8. The lifespan of the LED's shall be not less than 40000 hours.	
Clause T4	The unit offered must incorporate the following electrical compliance:	
	1. The mains voltage is 230 Volts A.C. 50Hz and the lights are to maintain their efficiency with a 10% voltage variance.	
	2. The mains voltage (230V) is to be connected directly to a double wound isolation transformer installed within the ceiling manifold ring of suitable capacity with a secondary output of 24V AC, which shall be the operating voltage of the lamp and control gear.	

	3. The electrical wiring is to be strictly in accordance with SABS 0142-1:2001 Code of Practice for the Wiring of Premises and the OHS ACT 85/1993.	
Clause T5	The unit offered must allow for the following range of movement:	
	1. Have a range travel of ± 600 mm.	
	2. Have horizontal rotational tilt over of 300 degrees.	
	3. Have a vertical arm movement of ± 65 degrees.	
	4. The radius of the lights is to be ± 650 mm.	
	5. Range of rotation of the booms to be 360 degrees.	
Clause T6	<p>Guarantee / Warranty</p> <p>The bidder must provide a minimum of 24-month guarantee period for the unit offered. Upon termination of the guarantee / warranty period the DOH Health Technology Services Component Technicians will be responsible for the maintenance, repair and service of the unit offered.</p>	

DETAILED TECHNICAL SPECIFICATION
GENERAL INFORMATION REQUIRED

FAILURE TO COMPLETE THIS PART WILL DISQUALIFY THE BIDDER

Make: _____

Model Number / Part Number for: _____

Country of Origin _____

Final Bid / Quotation Price inclusive of V.A.T. _____

Local (Durban) Agent _____

Delivery Period _____

R S A Import Permit Holder _____

BIDDER _____

SIGNATURE _____ DATE _____

ADDRESS _____

TELEPHONE NO. _____ FAX NO. _____

CONTACT PERSON _____
(PLEASE PRINT)



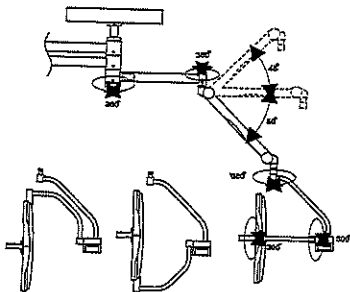
HyLED 9 Series

LED Surgical Lights

Technical Specifications

	HyLED 9700	HyLED 9500
Central illuminance (at 1m distance)	160,000 lux	120,000 lux
Light field diameter(at 1m distance)*	Standard: 195-330mm Variable CCT: 260mm	Standard: 195-330mm Variable CCT: 260mm
Depth of illumination (L1+L2)	1,200mm	1,200mm
Correlated Color Temperature *	Standard: 4,350K Variable CCT: 3,800~5,000K**	Standard: 4,350K Variable CCT: 3,800~5,000K**
Color rendering index	95	95
Shadow dilution with tube	100%	100%
Shadow dilution with one mask	80%	65%
Shadow dilution with tube and one mask	90% (AICS function, Optional)	60%
	75%	
Shadow dilution with two masks	85% (AICS function, Optional)	55%
	60%	
Shadow dilution with tube and two masks	70% (AICS function, Optional)	50%
	55%	
Radiant energy	3.6 mW/m ² *lux	3.6 mW/m ² *lux
Ambient illumination	12,800 lux	9,800 lux
Temperature rise-area around surgeon's head	≤1°C	≤1°C
Temperature rise-operative field	≤1°C	≤1°C
Service life of bulb	≥40,000h	≥40,000h
Max. power consumption of all light sources	118w	90w
Power supply	100VAC~240VAC,50/60Hz	100VAC~240VAC,50/60Hz
Automatic illumination control system	Optional	No
Number of LED Bulbs	88	60
Dimming Range	8~100%	8~100%
Light Head Dimension	740mm	620mm
Integrated Camera	Optional	No

*: optional configuration for CCT (Correlated Color Temperature) is variable (3,800~5,000K) where the Light Field Diameter(D10) is fixed (260mm).
 **: 10ranks for variable CCT: 3,800/3,950/4,050/4,200/4,350/4,450/4,600/4,750/4,850/5,000K



Maneuverability: Effortless, flexible, stable and durable. As powerful as it is, HyLED is light-weighted. Anyone can move and position it with ease. Four encircling grips are designed so that non-sterile personnel can assist the surgeon to adjust light position during the operating process as needed. With 6 joints, the light head can be moved to any position and angled to any direction. Once positioned, HyLED does not drift away. The whole suspension system is so reliably designed and robustly built that it is as

TRIBUTOR:



• EN 605 13425
• EN 605 13426

mindray

Mindray is listed on the NYSE under the symbol "MR"
 Mindray Building, Keji 12th Road South, High-tech Industrial Park,
 Nanshan, Shenzhen 518057, P.R. China
 Tel: +86 755 81888998 Fax: +86 755 26582680
 E-mail: intl-market@mindray.com Website: www.mindray.com

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 Shenzhen Mindray Bio-Medical Electronics Co., Ltd. All rights Reserved.
 HyLED-210285x12-20120619

THE PROVINCIAL GOVERNMENT OF KZN NATAL

DRAFT DOCUMENT FOR THE SPECIFICATION OF LED THEATRE LIGHTS

BID NUMBER.....

ITEM NUMBER.....

NOTE: SHOULD THE EQUIPMENT OFFERED DEVIATE FROM ANY SPECIFIED TECHNICAL REQUIREMENTS, FULL DETAILS MUST BE GIVEN. IN THE EVENT OF THE AVAILABLE SPACE BEING INSUFFICIENT SUCH DETAILS MUST BE GIVEN ON A SEPARATE SHEET, INDICATING THE RELEVANT PARAGRAPH NUMBER IN THE SPECIFICATION.

BIDDERS HAVE TO COMPLETE THE DETAILS OF OFFER IN FULL. REPLIES SUCH AS "COMPLY" OR "YES" ARE NOT ACCEPTABLE, BIDDERS TO FULLY DESCRIBE ON SEPARATE PAGES THE CAPABILITIES AND SPECIFICATIONS OF THE OFFER.

DETAILS OF OFFER

1 SCOPE

This specification establishes the requirements for the **SUPPLY, DELIVERY, INSTALLATION, DEMONSTRATION and COMMISSIONING** of A LED THEATRE LIGHT FOR USE IN KZN HOSPITALS.

2 APPLICABLE DOCUMENTS

The onus rests with the prospective tenderer to avail themselves of the following documents which form part of this specification

2.1 The KZN Provincial Government General conditions and Procedures.

2.2 Additional Conditions of Bids

2.3 The Hazardous Substances Act No.15 of 1973. **(A copy of the licence to be included in the offer)** if applicable

- 2.4 IEC 601-1.
- 2.5 Occupational Health and Safety Act, Act no 85 of 1993 and Regulations.

GENERAL NOTE

If the product offered is unknown to the Department, the Department reserves the right to have the unit evaluated by a team of technical and clinical expertise with regards to clinical functionality, performance and quality. The decision of this committee will be used as motivation for the acceptance or non-acceptance of the unit. For this reason a demonstration unit shall be readily available, or the bidder shall take two representatives of the Department to a site where a similar unit is installed in functional order. The cost for this site visit is for the account of the bidder, and it will not place any obligation on the Department to procure from this specific bidder.

Bidders to include in the offer proof that they are the accredited supplier by the original equipment manufacturer, and that the OEM undertakes to supply expertise, training and support to maintain the equipment.

Descriptive literature, colour pamphlets, brochures (describing all features specified) and technical data sheets must accompany the bid offer, failing of which the bid will not be considered.

3. SPECIFICATION

- 3.1 The price offered shall include supply, installation, staff training and commissioning of the theatre light, as well as removal of the existing light.
- 3.2 The requirement is for a double head system, with a main lamp with output of at least 160 000 lux, and a satellite lamp system with output of at least 130 000 lux. All measurements at 1 metre. If different output lamps (lux output) is offered, the general acceptance of light quality during a site visit to an installed unit shall be used as evaluation criteria.
- 3.3 The lamp shall be ceiling suspended, and all movements required during a normal surgical procedure shall be possible. During the site visit to an installed base the movements of the lamps shall be used as evaluation criteria for the adjudication of the offers.
- 3.4 The ceiling mounted suspension shall be so suspended that any position may be selected with ease, for illuminating any required operating area on the patient, with virtually unlimited rotatability.
- 3.5 The lamp shall be spring balanced in the supporting arm, be easy to move, have no backlash, and shall have friction clutches or similar devices for adjustment.
- 3.6 The lamp shall be capable of shining both vertically downwards for normal use, and horizontally for lithotomy position operations.
- 3.7 Good, positive yet easy flexibility of height, lateral and tilt movement is required.
- 3.8 The lamp head shall be engineered from robust medical grade material resistant to most cleaning agents.
- 3.9 The unit shall have easy, positive manoeuvrability.

- 3.10 The unit shall have excellent laminar flow features, and smooth surfaces that offer low resistance to airflow.
- 3.11 The light head and the positioning of the LED's shall ensure a shadow less working area, regardless of the surgeon and supports staff's position.
- 3.12 The focusable size of the light field for the main lamp shall be approximately 190 to 310 mm, and for the second lamp approximately 190 to 280mm.
- 3.13a) Depth of illumination (L1 + L2) at 60% 69 -122
b) Depth of illumination (L1 + L2) at 20% 107
- 3.14 The lamp head shall have smooth, flat surfaces for easy cleaning.
- 3.15 The lights shall be electrically dimmable from approximately 5% to 100% of full illumination.
- 3.16 The light shall have a colour temperature of approximately 4 500K and a colour rendering index of 95
- 3.17 Bidders to state the composition of the LED's in the lamp head, and what replacement of the LED's entail – per each, per block etc, as well as the current cost for replacement of LED's.
- 3.18 Each lamp head to be supplied with an **Emergency Bypass** in the event of a circuit board failure the light must function in bypass mode until repairs can be done.
- 3.19 A removable sterilisable handle on the lamp head shall enable the surgeon to easily adjust the position of the light, as well as setting the light field or focus. Two spare handles (2 sets) shall be supplied with the unit.
- 3.20 Bidders are to familiarise themselves with the site to view the installation requirements (room height, anchorage ring requirements etc.) Bids are not allowed to be altered due to provision having not been made for the above.

4. MAINTAINABILITY

- 4.1 Only offers that are locally supported by competent technical personnel shall be evaluated. State the number of technicians in your employ in KZN, and state the address of your repair facility.
- 4.2 State the training of the technical staff relevant to the equipment offered.
- 4.3 Bidder to indicate which consumable and non-consumable items is required for the normal operation and standard maintenance of the equipment.
- 4.4 Bidder to indicate the cost of each of the above items. This does not necessarily means that these items would be purchased from the successful tenderer.
- 4.5 Bidder to indicate which of these items are proprietary items that only the supplier of the equipment can supply.
- 4.6 In order to evaluate the life-cycle cost of the equipment, a suggested planned maintenance cost, estimated on a year by year basis for at least five years shall be quoted for. Bidders to supply a quote for a full, all-inclusive maintenance contract, as well as a separate quote for a preventative maintenance contract (including monthly labour for preventative maintenance and QA, but excluding spare parts).
- 4.7 State guarantee period on complete installation (five years preferable)

- 4.8 LED light engines or individual LED'S to have a minimum of 50,000 hours warranty.
- 4.9 State position of lamp head control panel and functions available,
- a) Yoke mounted control panel *yes /no /details*
 - b) Five dimming levels *yes /no /details*
 - c) Depth mode *yes/no /details*
 - d) Endo mode *yes/no /details*
 - e) Sync function *yes/no /details*
 - f) Wall control option *yes /no /details*
 - g) HD Video / camera ready option *yes/ no /details*
 - h) Is the lighting system upgradeable *yes/no /details*

5. SAFETY

- 5.1 The unit shall comply with the necessary safety standards.

6. TRAINING

- 6.1 Bidders must undertake to provide a comprehensive training schedule when required, for both User Department and Clinical Engineering staff of the Hospital to ensure:
- (i) correct use of the equipment
 - (ii) Comprehensive technical support capability of the equipment, by eligible resident Clinical Engineering staff.
- 6.2 Bidders must state the cost and level of technical training offered.
- 6.3 Training of users shall be provided by the successful bidder at no extra cost.

7. DOCUMENTATION

MAINTENANCE AND REPAIR MANUALS

- 7.1 The equipment shall be maintained by the hospital technical staff after the guarantee period has expired, therefore:
- (i)The bidder must provide **DETAILED PREVENTATIVE MAINTENANCE PROCEDURES**
 - (II)The bidder must provide technical training in the **THEORY of OPERATION and FAULT FINDING**
- 7.2 Manuals must be comprehensive, including circuit diagrams in case of electronic/electrical equipment, enabling resident technical staff to deliver complete technical support in case of equipment failure, as well as routine servicing
- 7.3 Manuals will be treated as confidential and for the sole use on equipment owned by hospitals in the KZN Region
- 7.4 The supply Workshop/Service Manuals, is a mandatory requirement of this offer and they must be in accordance with the requirement laid down above

8. OPTIONAL ACCESSORIES OFFERED BY TENDERER.

Bidder to give a full description and pricing of optional accessories available for the equipment.