

**Government Hospital, Daman  
Administration of Daman and Diu,  
O/O Medical Superintendent,  
Government Hospital, Daman**

No.GHD/E-TENDER/2016-2017/381

Dated: 11.07.2016

**E-TENDER (ON LINE) NOTICE**

The Medical Superintendent, Government Hospital, Daman on behalf of president of India, invites tenders for following items through on –line on [http: Daman.nprocure.com](http://Daman.nprocure.com) from the manufacturer/Authorized Dealers/suppliers having valid Licence. The tender notice also available on [www.nic](http://www.nic) daman.in

Sr.No.	Description Items	Estimated cost	EMD (in the form of FDR)	Tender fees (Non refundable)
01	Purchase and Installation of 04 Nos. of Modular OT for Double Dome & Single Dome LED OT Light for Government Hospital, Daman	40.00 lakh	1,20,000/-	2000/-
Last date of downloading of on line tender documents: up to 02.08.2016 by 12.00 hours				
Last date of submission of online tender document: up to 02.08.2016 by 15.00 hours.				
On line opening of price Bid: If possible on 02.08.2016 at 16.00 hours				
Bidders have to submit price bid in Electronic format only on <a href="http://www.nprocure.com">www.nprocure.com</a> till the last date and time for submission. Price bid in physical formant shall not be accepted in any case.				
Submission of tender fees in the form of DD, EMD in the form of FDR and other supporting documents i.e. copy of valid license from competent authority, copy of VAT/ST Registration and copy of PAN/TAN of income Tax etc, and terms and condition duly signed in hard copy as well as online to the undersigned by RPAD/Speed post/by hand on or before 02.08.2016 upto 15.30 hours, however, Tender Inviting authority shall not be responsible for any postal delay.				
The tender inviting authority reserves the right to accept or reject any or all the tenders to be received without assigning any reasons thereof.				
Bidders shall have to post their queries on E-mail address: <a href="mailto:ghhdmn@gmail.com">ghhdmn@gmail.com</a> on or before dated 02.08.2016 upto 11.00 hours.				
In case bidder needs any clarification or if training required for participating in online tender, they can contact the following office. (n) Code Solution-A division,GNFC Ltd” 403,GNFC Info Tower,Bodakdev, Ahmedabad- 380054, Gujarat (India) E-Mail <a href="mailto:nprocure@ncode.in">nprocure@ncode.in</a> Fax +917926857321				
Website: <a href="http://www.nprocure.com">www.nprocure.com</a>				

(Dr. Shaliesh Arlekar )  
I/c. Medical Superintendent,  
Government Hospital, Daman

**ADMINSTRATION OF DAMAN AND DIU,  
O/O. THE MEDICAL SUPRINTENDENT,  
GOVERNMENT HOSPITAL, DAMAN.**

**TERMS & CONDITIONS FOR THE**

**“Purchase and Installation of 03 Double Dome & One Single Dome LED OT Light for 04 Modular OT at Government Hospital, Daman”**

**E-Tender Notice No.GHD/E-TENDER/2016-2017/381**

**Dated. 11/07/2016**

1.	The rate(s) quoted should be strictly for free delivery at F.O.R. Government Hospital, Daman and will be valid and operative for supply orders issued on or before 31-03-2017 and rate should not be more than MRP.	
2.	All Taxes/ Duties/ Royalties charges payable on sales/transport etc. within and / or outside the UT / State shall be payable by the supplier.	
3.	No extra charge for packing, forwarding and insurance etc. will be paid on the rates quoted.	
4.	The rates should be quoted only for the items specified in the list of requirement and should be for the items of given special mark / manufacture.	
5.	Rates quoted for items other than required specification/mark/manufacture may not be considered. However, indigenous manufactures may quote their own makes provided the specifications/mark/manufacture.	
6.	Where specification / mark/ manufacture are not specifying by this office, the rates should be quoted only for the first class and standard quality only.	
7.	The tenderer should specify the name of the manufacturer for the item quoted by him along with catalogue of the item.	
8.	The decision of the E-Tender Inviting Officer for acceptance/rejection of <b>“Purchase and Installation of 03 Double Dome &amp; One Single Dome LED OT Light for 04 Modular OT at Government Hospital, Daman”</b> supplied including the decision for equivalent specifications, standard and quality etc.shall be final.	
9.	The tenderer should send in advance or enclose along with technical bid an amount of <b>Rs.1,20,000/-</b> as Earnest Money Deposit (FDR) in form of Nationalized of any Bank payable at Daman in favour of the officer inviting tender i.e. Medical Superintendent, Government Hospital, Daman. The EMD submitted other than form mentioned above will not be accepted. Tender received without Earnest Money Deposit will be summarily rejected.	
10.	(a)	The successful tenderer will have to pay within 10 days from the date of demand, an amount equal to 10% of the total value of articles, that may be order, as the amount of Security Deposit.
	(b)	Non-receipt of Security Deposit within stipulated time limit will result in automatic cancellation of the order for supply without any intimation.
	(c)	However in case if any articles are received for which the Security Deposit may not have been deposited, the full Security Deposit as may be due from the supplier will be recovered from the bills for such articles.
11.	The amount of Earnest Money paid by the successful Tenderer(s) will be adjusted against the amount of Security Deposit to be paid by the successful tenderer(s) as per condition No. 10 above.	
12.	All bills for amount above Rs.5000/- should be pre-receipted on a Revenue Stamp of proper value. Bills for amount exceeding Rs.5000/- not pre-receipted on Revenue Stamp of proper value will not be accepted for payment.	
13.	Each bill in which Sales Tax/Vat is charged must contain the following certificate on the body of the bill. <b>"CERTIFIED that the goods on which Sales Tax/VAT has been charged have not been exempted under the VAT/ Central Sale Tax Act or the Rules made there under and the amount charged on account of VAT/Sales Tax on these goods is not more than what is payable under the provisions of relevant Act or Rules made there under".</b>	
14	The right to accept or reject without assigning any reasons or all tenders in part or whole is reserved with the E-Tender Inviting Officer and his decision(s) on all matters relating to acceptance or rejection of the tenders as a whole or in part will be final and binding to all	
15	If the tenderer whose tender is accepted, fails to execute the supply order within stipulated time the Earnest Money Deposit of such tenders will stand forfeited to the Government.	

16	In case, the supplier does not execute the supply order placed with him, the EMD of the supplier will be forfeited to the Government and the contract for the supply shall terminated with no further liabilities on either party to the contract.
17	No separate agreement will be required to be signed by the successful tender(s) for the purpose of this contract for supply. Rates tendered/offered in response to the concerned Tender Notice shall be considered as acceptance of all above terms and conditions for supply for all legal purpose.
18	The E-Tender should be neatly typed only on letterhead carry the name of supplier and the signature of the tenderer. No overwriting correction or erasures will be considered.
19	The rates quoted should be inclusive of all taxes, duties, surcharges, cess, freight, loading, unloading, insurance, road permits, packing, (VAT and other taxes if applicable) as applicable. No extra taxes will be given.
20	All bills should be in <b>TRIPLICATE</b> and should invariably mention the number and date of supply order.
	The Tenders and financial bid should be submitted online on <a href="http://www.nprocure.com">www.nprocure.com</a> in two bid system.
21.	Orders once placed should be delivered within the given time period and item should be door delivered.
22.	No extra charge for packing, forwarding and insurance etc. will be paid on the rates quoted.
	The rates should be quoted only for the items specifies in the list of requirement and should be for the items of given special mark/manufacture only.
23	Rates quoted for items other than the required specification / mark / manufacture will not be considered.
24	The amount of Earnest Money paid by the tenderer(s) whose tenders are not accepted will be refunded to them.
25	Only on satisfactory completion of the supply order for and on payment of all bills of the supplier, as to be admitted for payment, the amount of Security Deposit/Earnest Money will be refunded after expiry of guarantee/warranty period, if any, or any such date/period as may be mutually agreed upon
26	The E-tender inviting officer will consider extension of time for remitting the Security Deposit as demanded. However, in case of denial to consider such extension the supplier is bound to abide by the limit given and liable to make good any loss to the Government on account of his failure to abide by the time limit.
27	(a) Railway Receipt or other transport document should be drawn in favor of the Officer Inviting Tenders.
	(b) Railway Receipt or other transport document should not be send by V.P.P. or through any Bank as this being a Government Office it is not possible to clear cash demands of Post Office/Bank for delivery of R.R. or other transport documents unless we have agreed to it as a special arrangements.
	(c) Railway Receipt or transport receipt should be sent to this Office by Registered Post immediately on dispatch of goods from dispatching end.
28	The supplies of <b>“Purchase and Installation of 03 Double Dome &amp; One Single Dome LED OT Light for 04 Modular OT at Government Hospital, Daman”</b> of inferior quality standard or of different specifications, doses/content, brand, manufacturer etc. other than that ordered specified and/or incomplete or broken articles will not be accepted. The supplier has to replace the same at his own cost and risk. Intimation of non-acceptance of any <b>“Purchase and Installation of 03 Double Dome &amp; One Single Dome LED OT Light for 04 Modular OT at Government Hospital, Daman”</b> will be sent to the supplier within 10 days from the date of receipt of the stores and the same will be returned to the supplier at his own cost and risk, if he so desires and intimates accordingly within 15 days from the date of dispatch of intimation of the non-acceptance. However, if no communication is received within 15 days from the date of communication the tender Inviting Officer will not be responsible for any damage, loss etc. of such rejected articles.
29.	In case of failure to replace the accepted and rejected articles from supplies made, as mentioned in the conditions, the loss undergone by the Government will be recovered from the suppliers Security Deposit/Earnest Money or payment due of any bill(s) to the extent required.

30	In case of failure to Purchase of <b>“Purchase and Installation of 03 Double Dome &amp; One Single Dome LED OT Light for 04 Modular OT at Government Hospital, Daman”</b> ordered for, as per conditions and within the stipulated time, the same will be obtained from the tenderer who offered next higher rates or from any other sources, as may be decided by the tender inviting Officer and the loss to the Government on account of such purchases(s) shall be recovered from the former suppliers Security Deposit/Earnest Money or bills payable. The suppliers shall have no any right to dispute with such procedure.
31.	Extension of time limit for supplies shall be consider by the Tender Inviting Officer. The extension so granted may be with levy of compensation for delay in execution of supply order up to 5% of the cost of supplies ordered for at the discretion of the authority competent to grant extension of time limit provided such request is made well in time, depending upon the circumstances and such decision in the matter will be final.
	Demurrage charges paid by the E-Tender Inviting Officer on account of delayed receipt of dispatch documents intimation will be recovered from the bills payable to the supplier.
32	If at any time after the order for <b>“Purchase and Installation of 03 Double Dome &amp; One Single Dome LED OT Light for 04 Modular OT at Government Hospital, Daman”</b> the E-Tender Inviting Officer shall for any reason whatsoever not require the whole or part of the quantity thereof as specified in the order the tender Inviting Officer shall give notice in writing of the fact to the supplier(s) who shall have no claim to any payment of compensation what so ever on account of any profit or advantage which the supplier(s) might have derived from the supply of articles in full, but which did not derive in consequence of the full quantity of articles not having been purchased, nor shall have any claim for compensation by reasons of any alterations having been made in the original instructions which shall invoice any curtailment of the supply originally contemplated.
33	Rates should be quoted as per the forms prescribed by the department and as per the requirement asked for.
34	The Earnest Money(s)/Security Deposit(s) paid by the tender(s) earlier against any tender(s) or supply order(s) is/are not adjustable with Earnest Money or Security Deposit required by these conditions.
35	The Tenders/offers received which do not confirm with the terms and conditions of this office will be summarily rejected. If any firm desires to consider exemption from payment of Earnest Money Deposit, certified copies of its Registration with D.G.S. & D. should be attached to their tenders.
36	Supplier may ensure the goods at his own cost to safeguard the delivery of such goods dispatched by him to the consignee; the department will not be responsible for the damage or pilferage of goods during transit.
37	The tenderer should attached Scanned copies of <b>Certificate from the respective manufacture company indicating your firm as authorized dealer/supplier for their product, certificate of experience in the field of “LED OT Light” valid license, proof of fulfilling the norms of ISI/ISO/WHO/GMP, CE Certified specification if any, copy of dealership letter, licence for import, PAN No, Sales Tax No., The supplier must have at least 03 years experience of supplying such good and shall average annual turnover of Rs.12,00,000/- Suring last three years ending by 31.12.2016 A letter indicating last three financial year Turnover figures and profit &amp; Loss Accounts should accompany with Technical Bid for Verification. Please note that the balance sheets should carry average annual financial turnover during last 3 years up to 31/12/2016 and should be at least 30% of the estimated cost.</b>
38	Rates quoted are for <b>“Purchase and Installation of 03 Double Dome &amp; One Single Dome LED OT Light for 04 Modular OT at Government Hospital, Daman”</b> to be supplied at Government Hospital, Daman.
39	Tenderer should enclose along with tender an amount of <b>Rs. 1,20,000/-</b> as Earnest Money Deposit in form of Fixed Deposit Receipt of any Nationalized Bank payable at Daman in favour of Medical Superintendent, Government Hospital, Daman. The EMD Submitted other than Form mentioned above will not be accepted. <b>Tender received without EMD will be summarily rejected.</b>
40	The tender fee must be enclosed in demand draft in favour of undersigned with the tender documents.

41	<b>AMC:</b> The rates of Annual Maintenance Contract (AMC) should be for the period of three years from the expiry of Guarantee / Warranty period of one year and should written separately in the Financial bid year-wise. The decision to accept the tender with or without AMC is reserve with the Purchase Committee.
42	The tenderers should give the guaranty / warranty for the period of not less than one year from the date of installation against any manufacturing defect.
43	The tenderer may be called for a sample / demonstration of the items quoted for which they will be informed one week in advance for arranging the necessary sample / demonstration in the hospital on a suitable date and time failing which the tender will be rejected.
44	The tenderers shall be bound to give assurance for undertaking the Annual Maintenance Contract after expiry of guarantee / warranty period.
45	The successful tenderers shall be bound to provide training if any required without any extra charges during commissioning.
46	The successful tenderers should install and commissioning the equipment at the site suggested by the office.
47	The tendered quantity is tentative and the actual purchase can be 15% less or more than the quantity put to tender for all items and the tenderer is bond to supply such requirement without any demur.
48	The tendering firm must be registered with the Sales Tax/ VAT department and a copy of their registration under the Sales Tax/ VAT bearing the TIN Number be provided.
	The Tender should give the guaranty/warranty for the period of not less than one year from the date of installation against any manufacturing defect.
49	The terms and conditions dully accepted and signed by the tenderer should attached with the Technical Bid.
50	The Financial Bid has to fill in prescribed format.
51	Tender should furnished a non black listed certificate that the firm has not been black listed in the past by any Government/private institution that there is no vigilance / CBI case against the firms supplier and the firm has not been blacklisted in the past by any Government or private organization, the tenderers should be attached an undertaking. (Annexure-I)
52.	The bidder should not have quoted price lower than quoted in this tender to any Govt./Semi Govt./public sector undertaking, bidder should enclosed affidavit to that effect on a non judicial stamp paper of Rs.20/-
53.	The Tenderer may visit and respect the site of modular OT at Govt. Hospital Daman to area the existing OT set up
54.	Tender will be valid for one year from date of advertisements.

Signature & Designation of  
Tender Inviting Officer

(Dr. Shailesh Arlekar)  
I/c. Medical Superintendent,  
Daman.

**The above terms and conditions are accepted and are binding to me / us.**

Place :

Signature of Tenderers  
Name of Tenderers with seal  
of the firm

Dated :

**NOTE: Please return one copy of these terms and conditions dully sign with seal of firm along with the tender.**

## ANNEXURE – I

( to be submitted on the letter head of the company/firm)

I hereby certify that the above firm has not been ever blacklisted by any Central/State Government/Public Undertaking/Institution on any account.

I also certify that the above information is true and correct in any every respect and in any case at a later date it is found that any details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm blacklisted.

I also certify that firm will supply the item as per the specifications given by institution and also abide all the terms and conditions stipulated in tender.

Date:

Place:

Name:

Business Address:

Signature Bidder:

Seal of Bidder:

**ADMINISTRATION OF DAMAN AND DIU,  
O/O. THE MEDICAL SUPERINTENDENT,  
GOVERNMENT HOSPITAL, DAMAN.**

**E-Tender Notice No.GHD/E-TENDER/2016-2017/381**

**Dated. 11.07.2016**

**ELIGIBILITY PARAMETERS.**

1.	Name of the Organization	
2.	Postal Address	
3.	Telephone / Fax / Mobile No. of the Organization / Firm.	
4.	Status of the Organization/Firm (whether Private or Public Sector undertaking or Sole Proprietor or Partnership or co-operative society etc.) The tender should attach a resolution passed by the Executive Body authorizing the specific officer / partner for signing the documents.	
5.	Certificate from the respective manufacture company indicating your firm as authorized dealer/supplier for their product	
6.	Certificate of experience in the field of <b>“Purchase and Installation of 03 Double Dome &amp; One Single Dome LED OT Light for 04 Modular OT at Government Hospital, Daman”</b>	
7.	Valid licence	
8.	Proof of fulfilling the norms of ISI/ISO/WHO/GMP	
9.	US FDA, CE and ISO Certified specified specification, if any	
10.	Copy of dealership letter	
11.	Licence for import	
12.	PAN CARD No.	
13.	Sales Tax / VAT No.	
14.	Service Tax if any	
15.	Copy of Turnover for Rs.12,00,000/-of the estimated cost during last 3 years up to 31/12/2016	

Place :

Date :

Signature of Tenderer  
Name of Tender with  
Seal of the firm

**ADMINISTRATION OF DAMAN AND DIU  
O/O MEDICAL SUPERINTENDENT,  
GOVERNMENT HOSPITAL, DAMAN**

**No. GHD/E-TENDER-1/2016-2017/381**

**DATED 11/07/2016**

**Annexure "A"**

**Technical Bid**

**Specification for installation of 04 Nos. Of Modular OT for Double Dome & Single Dome LED Light for Governemtn Hospital, Daman.**

**(1) Technical Specification for LED Light Double dome OT light for General and Laparoscopic Surgery with Camera and Monitor H.D. Camera Specification.**

<b>Sr. No.</b>	<b>Description</b>	<b>Company / Model No.</b>	<b>Remark</b>
<b>(A)</b>	<b>Double Dome LED OT Lights for General and Laparoscopy surgery</b>		
1	Should have latest generation single bright white LED to get homogenous light		
2	Main dome must give light intensity of 1, 60,000 Lux and satellite dome should have light intensity of 1,20,000 Lux at one meter distance.		
3	Should have colour Temperature of 4500 to 5600.		
4	Should have colour rendering index of 95/Ra		
5	Should have variable light field dram from 10 to 30 cm		
6	Depth of Illumination (L1 + L2) if 110 cm		
7	Life of LED should be more than 40,000 hours.		
8	Electronic Illumination adjustment of 10 to 100%		
9	Light intensity can be adjusted for 10 to 100% by electronic Illumination adjustment.		
10	Fully cardanic domes for freedom of movement. All main joints of surgical light must be provided with unlimited rotation (360°). It should be possible to adjust dome at any position easy free manoeuvrability and free up/down/ swing and rotation movements must allow Axial, Radial and Angular movements.		
11	Cost of installation, testing, commissioning of the light with all necessary civil, mechanical and electrical work to be included in commercial bids		
12	Light should be complete with all components for ceiling mount & electrical feed-in including final installation.		
13	Diameter of light head should be 500-650 mm		
14	Operation theatre light should be laminar air flow compatible		
15	Light head must be designed with smooth transition and surfaces, with No slots gaps or exposed screwing to ensure fast and effective disfection.		
16	Light head must be resistant to disinfection. LED bulba must be Light head should be compect closed smooth surface and light weight		
17	Singal Colour only for long tirm maintainance and ease of replacement.		
18	Should provide 4 antoclavable and reusable handles.		
19	The light head with stream lined shape should be given to facillate laminar air flow and shadow less operating light field. Light head must be resistant to disinfectant.		
20	Should have average radiant energy of light less than 3.5 mw/m2.		
21	Temperature increase at head hight should be <1°C.		
22	Light should be free from UV and IR radiation		
23	Should have facility to attach latest Wi-Fi HD camera which should be mounted on centre of both light domes.		
24	Equipment should not be preowned and refurbished Entire system should be from one and the same company. Bidders shall quote technical compliance statement for the model quoted. Details manufacturer, technical catalogue and data sheet should be attached		
25	<b>Protection Classification should be as under</b>		
A	Protection Class ACC mto IEC 60601-1		
	(i) Main connection component: Protection class 1		
	(ii) Electrical Components IEC 60364-710		
B	Protection Class ACC to IEC 60529 (i) Arm System/ Main connection compopent-Ip 30		
C	Light Head- I P 42		
D	Arm System - IP 41		



E	Product Design IEC 60601-2-41/IEC 60601-1		
26	Should have option of ambient highling Illumination giving endo mode for MIS surgery at 300 LUX		
27	Should have back lit LCD screen on light suspension for adjustment and display of settings.		
28	Should offer highest possible hygiene during surgery through touch free adjustment for :		
	(i) Intensity		
	(ii) Colour Temp		
	(iii) On/ Off		
	(iv) Endo mode		
29	It should have controls for panameters one on dome assembly amother wired/ wireless remote on wall.		
30	Should have ISO 13485 & ISO 9001 certified		
31	Should be US FDA Certified.		
32	It should have facility to attach latest Wi-Fi HD Camera in the centre of the light dome and medical grade monitor		
(B)	<b>Specification for Camera</b>		
1	Completely Capsulated Camera housing with smooth surface		
2	Camera Housing should be impact resistant anodised Aluminum		
3	Surface should be resistant to disinfection.		
4	Internal Cabling should be not exposed		
5	T.V. Standand- PAL		
6	Minimal Illumiation 0,1 to 1.5 Lux		
7	Focal length f=4,2-42,0		
8	f no f=1,8-2,9		
9	Horizontal resolution 500 TV lines		
10	Video Output- Svideo		
11	Resolution of 1920 x 1080 pixels		
12	Zoom 120 x		
13	Focal Length 5.1 mm		
14	Motorised Image alignment		
15	White bakabce and focus should be automatic and manual.		
(C)	<b>Specification for HD medical grade Monitor</b>		
1	Should have multiple video inputs		
	Composit video		
	Y/c		
	Analogue RGB + EXT Syn		
	H.D. 15"		
2	Should have multiple video outputs		
	HD/SD - SD1 (X2)		
	Composit video		
	Y/c		
	Analogue RGB + EXT Syn		
	H.D. 15"/ 23"		
3	Camera Out put should be available eighter in the OT or nearly rooom wirelessly		
	<b>Annexure "B"</b>		
(2)	<b>Specification for double dome LED OT light for Orthopaedic OT</b>	<b>Company / Model No.</b>	<b>Remark</b>
1	Should have latest generation single bright white LED to get homogenous light		
2	Main dome must give light intensity of 1, 60,000 Lux and satellite dome should have light intensity of 1,20,000 Lux at one meter distance.		
3	Should have colour Temperature of 3500-4500.		
4	Should have colour rendering index of 95/Ra		
5	Should have valuable light field dram from 15 to 30 cm		
6	Depth of Illumination (L1 + L2) if 110 cm		
7	Life of LED should be more than 40,000 hours.		
8	Electronic Illumination adjustment of 10 to 100%		
9	Light intensity can be adjusted for 10 to 100% by electronic Illumination adjustment.		

10	All main joints of surgical light must be provided with unlimited rotation (360°). It should be possible to adjust dome at any position easy to manoeuvrability and fue up/down/ swing and rotation movements mist allow Axial, Radial and Angular movements.		
11	Cost of installation, testing, commissionery of the light with all necessary civil, mechanical and electrical work to be included in commercial bids		
12	Light should be complete with all components for ceiling mount & electrical feed-in including final installation.		
13	Diameter of light head should be 500-650 mm		
14	Operation theatre light should be laminar air flow compatible		
15	Light head must be designed with smooth transition and surfaces, with no slots gaps or exposed screwing to ensure fast and effective disfection.		
16	Light head must be resistant to disinfection.		
17	Colour only for long term maintainance and ease of replacement.		
18	Should provide 4 antoclavably and reusable handles.		
19	The light head with stream lined shape should be given to faciliate flaminar air flow and shadow less operating light field. Light head must be resistant to disinfectant.		
20	Should have average radiant energy of light less than 3.5 mw/m2.		
21	Temperature increase at head hight should be <1 °C.		
22	Light should be free from Uvand 1R radiation		
23	Should have facility to attact latest Wi-Fi HD camera which should be mounted on centre of both light domes.		
24	Equipment should not be preowned and refurbished Entire system should be from one and the same company. Bidders shall quote technical compliance statement for the model quoted. Details manufacturer, technical catalogue and data sheet.		
25	<b>Protection Classification should be as under</b>		
A	Protection Class ACC mto IEC 60601-1		
	(i) Main connection component: Protection class 1		
	(ii) Electrical Components IEC 60364 -710		
B	Protection Class ACC to IEC 60529 (i) Arm System/ Main connection compopent-lp 30		
C	Light Head- I P 42		
D	Arm System - IP 41		
E	Product Design IEC 60601-2-41/IEC 60601-1		
26	Should have option of ambient highling Illumination giving endo mode for MIS surgery.		
27	Should have back lit LCD screen on light suspension for adjustment and display of settings.		
28	Should offer highest possible hygiene during surgery through touch free adjustment for :		
	(i) Intensity		
	(ii) Colour Temp		
	(iii) On/ Off		
	(iv) Endo mode		
29	It should have controls for panameters one on dome assembly amother wired/ wireless remote on wall.		
30	Should have ISO certified		
31	Should be US FDA Certified.		
32	It should have facility to attach latest Wi-Fi HD Camera in the centre of the light dome and medical grade monitor		
	<b>Annexure "C"</b>		
(3)	<b>Specification for double dome OT light for Gynaec OT</b>		
1	Should have latest generation single bright white LED to get homogenous light		
2	Main dome must give light intensity of 1, 60,000 Lux and satellite dome should have light intensity of 1,20,000 Lux at one meter distance.		
3	Should have colour Temperature of 3500-4500.		
4	Should have colour rendering index of 95/Ra		
5	Should have valuable light field dram from 15 to 30 cm		
6	Depth of Illumination (L1 + L2) if 110 cm		

7	Life of LED should be more than 40,000 hours.		
8	Electronic Illumination adjustment of 10 to 100%		
9	Light intensity can be adjusted for 10 to 100% by electronic Illumination adjustment.		
10	All main joints of surgical light must be provided with unlimited rotation (360°). It should be possible to adjust dome at any position easy to manoeuvrability and fue up/down/ swing and rotation movements mist allow Axial, Radial and Angular movements.		
11	Cost of installation, testing, commissionery of the light with all necessary civil, mechanical and electrical work to be included in commercial bids		
12	Light should be complete with all components for ceiling mount & electrical feed-in including final installation.		
13	Diameter of light head should be 500-650 mm		
14	Operation theatre light should be laminar air flow compatible		
15	Light head must be designed with smooth transition and surfaces, with no slots gaps or exposed screwing to ensure fast and effective disfection.		
16	Light head must be resistant to disinfection.		
17	Colour only for long term maintainance and ease of replacement.		
18	Should provide 4 antoclavably and reusable handles.		
19	The light head with stream lined shape should be given to facillate flaminar air flow and shadow less operating light field. Light head must be resistant to disinfectant.		
20	Should have average radiant energy of light less than 3.5 mw/m2.		
21	Temperature increase at head hight should be <1°C.		
22	Light should be free from Uvand 1R radiation		
23	Should have facility to attact latest Wi-Fi HD camera which should be mounted on centre of both light domes.		
24	Equipment should not be preowned and refurbished Entire system should be from one and the same company. Bidders shall quote technical compliance statement for the model quoted. Details manufacturer, technical catalogue and data sheet.		
25	<b>Protection Classification should be as under</b>		
A	Protection Class ACC mto IEC 60601-1		
	(i) Main connection component: Protection class 1		
	(ii) Electrical Components IEC 60364 -710		
B	Protection Class ACC to IEC 60529 (i) Arm System/ Main connection compopent-Ip 30		
C	Light Head- I P 42		
D	Arm System - IP 41		
E	Product Design IEC 60601-2-41/IEC 60601-1		
26	Should have option of ambient highling Illumination giving endo mode for MIS surgery.		
27	Should have back lit LCD screen on light suspension for adjustment and display of settings.		
28	Should offer highest possible hygiene during surgery through touch free adjustment for :		
	(i) Intensity		
	(ii) Colour Temp		
	(iii) On/ Off		
	(iv) Endo mode		
29	It should have controls for panameters one on dome assembly amother wired/ wireless remote on wall.		
30	Should have ISO certified		
31	Should be US FDA Certified.		
32	It should have facility to attach latest Wi-Fi HD Camera in the centre of the light dome and medical grade monitor		
	<b>Annexure "D"</b>		
(4)	<b>Specification for Single dome LED OT light for Ophthalmic OT</b>		
1	Should have latest generation single bright white LED to get homogenous light		
2	Main dome must give light intensity of 1, 60,000 Lux and satellite dome should have light intensity of 1,20,000 Lux at one meter distance.		
3	Should have colour Temperature of 3500-4500.		

4	Should have colour rendering index of 95/Ra		
5	Should have valuable light field diam from 15 to 30 cm		
6	Depth of Illumination (L1 + L2) if 110 cm		
7	Life of LED should be more than 40,000 hours.		
8	Electronic Illumination adjustment of 10 to 100%		
9	Light intensity can be adjusted for 10 to 100% by electronic Illumination adjustment.		
10	All main joints of surgical light must be provided with unlimited rotation (360°). It should be possible to adjust dome at any position easy to manoeuvrability and free up/down/ swing and rotation movements must allow Axial, Radial and Angular movements.		
11	Cost of installation, testing, commissioning of the light with all necessary civil, mechanical and electrical work to be included in commercial bids		
12	Light should be complete with all components for ceiling mount & electrical feed-in including final installation.		
13	Diameter of light head should be 500-650 mm		
14	Operation theatre light should be laminar air flow compatible		
15	Light head must be designed with smooth transition and surfaces, with no slots gaps or exposed screwing to ensure fast and effective disinfection.		
16	Light head must be resistant to disinfection.		
17	Colour only for long term maintainance and ease of replacement.		
18	Should provide 4 antoclavably and reusable handles.		
19	The light head with stream lined shape should be given to facilitate laminar air flow and shadow less operating light field. Light head must be resistant to disinfectant.		
20	Should have average radiant energy of light less than 3.5 mw/m2.		
21	Temperature increase at head height should be <1°C.		
22	Light should be free from UV and IR radiation		
23	Should have facility to attach latest Wi-Fi HD camera which should be mounted on centre of both light domes.		
24	Equipment should not be pre-owned and refurbished Entire system should be from one and the same company. Bidders shall quote technical compliance statement for the model quoted. Details manufacturer, technical catalogue and data sheet.		
25	<b>Protection Classification should be as under</b>		
A	Protection Class ACC mto IEC 60601-1		
	(i) Main connection component: Protection class 1		
	(ii) Electrical Components IEC 60364 -710		
B	Protection Class ACC to IEC 60529 (i) Arm System/ Main connection component-IP 30		
C	Light Head- I P 42		
D	Arm System - IP 41		
E	Product Design IEC 60601-2-41/IEC 60601-1		
26	Should have option of ambient lighting Illumination giving endo mode for MIS surgery.		
27	Should have back lit LCD screen on light suspension for adjustment and display of settings.		
28	Should offer highest possible hygiene during surgery through touch free adjustment for :		
	(i) Intensity		
	(ii) Colour Temp		
	(iii) On/ Off		
	(iv) another		
29	It should have controls for parameters one on dome assembly another wired/ wireless remote on wall.		
30	Should have ISO 13485 & ISO 9001 Certified		
31	Should be US FDA Certified.		
32	It should have facility to attach latest Wi-Fi HD Camera in the centre of the light dome and medical grade monitor		