HLL Lifecare Limited
(A Government of India Enterprise)

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Plot No.1 & 2, Rubber Park,
Irapuram, Valayanchirangara.P.O
Perumbavoor, Ernakulam
Kerala – 683 556
Phone:0484–2597200
Website:www.lifecarehll.com

Invitation for Bids

Supply, Installation, Testing and Commissioning of CCTV Surveillance System.

Date	:	13.03.2015
IFB No.	:	HLL/IFC/IT/CCTV/2015

The schedule of the bid is given below.

Last date and time for submission of Bids	**: 15.00 Hrs on 20.03.2015**
Time and date of opening of Bids	**: 15.30 Hrs on 20.03.2015**

EMD

Rs.10,000 (Rs.Ten Thousand only) by the way Demand Draft (DD) from a Nationalized/Scheduled bank in favor of HLL Lifecare Ltd payable at Ernakulam

Dear Sir,

Sub: <u>Supply, Installation and Commissioning of CCTV Surveillance</u> <u>System</u>

HLL Lifecare Limited (HLL), Irapuram Factory invites sealed competitive bids from eligible and interested bidders for the Supply, Installation and Commissioning of CCTV Surveillance system with all accessories at our Irapuram Factory, Valayanchirangara P.O, Ernakulam)

The Technical Specifications with schedule of requirements are given in **Annexure-1.**

<u>Terms and conditions</u>

1. The prospective bidder should have minimum three years experience in supply, installation, commissioning and maintenance of CCTV surveillance system. The copies of purchase order /satisfactory performance certificates/Installation certifications for the similar works (at least two such installations value of Minimum Rs.2 Lakhs per work using the quoted product) done for the past three years may be attached along with the bid.

2. The exact brand/model of all the quoted items should be mentioned with complete technical specifications supported with illustrative literatures/catalogues/brochures. The OEM brand of quoted products (Particularly Camera, NVR) should be existence for the past five (5) years (minimum) and should be available in the market.

3. The bidder should enclose a DD (Demand Draft) of Rs.10,000 (Rs.Ten Thousand only) as EMD from a Nationalized/Scheduled bank in favor of HLL LIFECARE LTD payable at Ernakulum.
   Bids without EMD would be summarily rejected.

4. The EMD amount would be returned to all the unsuccessful bidders within 15 days of the bid opening by the way of Electronic Transfer (or) Cheque. The bid amount of the successful bidder would be released after the successful installation and commissioning of the ordered items.

5. The bidder should be the authorized partner of the OEM for the products quoted (Preferably for Camera and NVR) for which authorization letter of the OEM should be attached along with the bid.

6. The bidder should have service support center / authorized service partner at Ernakulam/Thrissur District and such details may be mentioned in the bid.

7. The prices should be quoted as per the format enclosed as **Annexure -2.** The prices should be clearly mentioned with taxes (Sales TAX or VAT/Service Tax/Excise Duty/Customs Duty/ Educational Cess) wherever applicable

8. In the price schedule, if there is any discrepancy between the unit price and total price, the unit price shall prevail and the total price shall be corrected by the purchaser accordingly.

9. The prices quoted should be valid for a period of 90 days from the date of opening of bids.

10. The bidder shall quote for all the items and the bid will be evaluated by taking the total amount of all the items quoted together.

11. The purchase order will be placed on the first lowest responsive bidder.

12. HLL will have the right to increase or decrease up to 20% of the quantity of goods and services specified in the schedule of requirements without any change in the unit price or other terms and conditions.

13. The items should be delivered and commissioned at the respective location within **1 month** from the date of placement of order.

14. Penalty at 0.5 % per week's delay subject to a maximum of 5 % is applicable for delayed delivery and commissioning.

15. The onsite warranty should be for the period of minimum **2 (Two) Years** for Active devices such as Camera, NVR, HDD, switches, power supply units, etc. from the date of commissioning. All the other devices should be having minimum 1 (One) year onsite warranty.   During the warranty period, all the defective items should be replaced at free of cost.

16. Bids should be clear in all respects and those with ambiguous clauses shall be summarily rejected.

17. Documentation with regard to the user manual, connection diagrams, standard operating procedure, etc., should be prepared and submitted to HLL upon completion of the works.

18. Training should be imparted to the HLL personnel about the standard operating procedure of the items at free of cost.

19. Site visit is also permitted to the bidders on prior permission from the undersigned during working hours of HLL.

20. Payment schedule is as given below
    (i) Payment of 90% of the total price of the goods shall be paid within 30 days upon delivery ,installation ,commissioning and acceptance .

    (ii) Payment of 10% of the total price of the goods shall be paid against a Performance Bank Guarantee from a Nationalized Bank equal to 10% of the contract value valid for the guarantee period of one year from the date of installation & Commissioning.

21. Bidder shall provide TIN Number, Service Tax Registration No. , PAN No.

    Statutory deductions like income tax, work contract tax, VAT, ESI, PF etc will be deducted from the bill as per the rules of the company.

22. Necessary user manuals/CDs/DVDs are to be supplied along with the equipments.

23. The measurements given in the schedule of requirement are approximate only. However the charges for both material and related labour works shall be paid on actual measurement basis only.

24. Bids should be submitted latest by before **15:00 Hrs on 20.03.2015** and the same **will be opened at 15:30 Hrs** on the same day with the presence of representatives of the bidder who choose to attend. If the bid opening day is declared as holiday, the bid will be opened at the next working day of HLL.

25. The bids should be submitted to the following address.

    Deputy Vice President (Commercial),
    Plot No.1 & 2, Rubber Park,
    Irapuram, Valayanchirangara.P.O
    Perumbavoor, Ernakulam
    Kerala – 683 556
    Phone: 0484 –2597200

26. Any bid received after the deadline for submission of bids will be rejected.

27. HLL reserves the right to accept or reject any or all of the bids without assigning any reason whatsoever.

28. The envelopes containing the bid shall bear the words "DO NOT OPEN BEFORE …….." (Here insert the time and date of bid opening).

29. No Email or fax bids will be accepted.

30. Any dispute arising out of the tender/bid document/ evaluation of bids/issue of purchase order shall be subject to the jurisdiction of the competent court at Thiruvananthapuram only.

Thanking you,
Yours faithfully,

Reju Skaria
Deputy Vice President

Schedule of Requirements

Technical Specification (Minimum) for the CCTV Setup

1. IP NETWORK IR DOME FIXED CAMERA- INDOOR/OUTDOOR (PoE Support)

Resolution	1.3 MP (or) above
Image Sensor	1/3" Progressive Scan CMOS
Min.Illumination	0.01 Lux @ (F1.2, AGC ON), 0 lux with IR
Shutter Speed	1/25s to 1/100s
S/N Ratio	50Db
Lens	4mm @ F2.0 (2.8mm,6mm,12mm optional) – As per the requirement in BOM
Day & Night	IR cut filter with auto switch
Digital Noise Resolution	3D DNR
Wide Dynamic Range	DWDR
Video Compression	H.264/MJPEG
H.264 Type	Main Profile
Video Bit Rate	32 Kbps – 16 Mbps
Dual Stream	Support
Resolution	1280 X 960 (or) above
BLC	Support
Image Setting	Rotate mode, Saturation , Brightness, Contrast adjustable by client software or web browser
ROI	Support
Network Storage	Support NAS & NVR
Smart Video Analysis	Line Crossing , Intrusion Detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP
General	One-key reset, Flash-prevention, dual stream, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, Anonymous access.
Standard	ONVIF , PSIA, CGI, ISAPI
Communication Interface	RJ45 10/100 Ethernet port with PoE support
IR Range	Aprox 20-30 Meters
Ingress Protection	IP66
Suitable Camera Stand	Yes
Operating Conditions	-30^0 C - $+60^0$C , humidity 95% or less (non-condensing)
Power Supply	12 V DC , PoE (802.3 af)
Certifications Required	CE, FCC, RoSH, C-TICK,UL,EU

2. IP NETWORK BULLET IR FIXED CAMERA- INDOR/OUTDOOR (PoE Support)

Parameter & Resolution	1.3 MP (Min) CMOS ICR Infrared Network Bullet Camera
Image Sensor	1/3" Progressive Scan CMOS
Min.Illumination	0.01 Lux @ (F1.2, AGC ON), 0 lux with IR
Shutter Speed	1/25s to 1/100s
S/N Ratio	50Db
Lens	4mm @ F2.0 (6mm,12mm optional) – As per the requirement in BOM
Day & Night	IR cut filter with auto switch
Digital Noise Resolution	3D DNR
Wide Dynamic Range	Digital WDR
Video Compression	H.264/MJPEG
Video Bit Rate	32 Kbps – 8 Mbps
Dual Stream	Support
Resolution	1280 X 960 (or) above
BLC	Support
Image Setting	Rotate mode, Saturation , Brightness, Contrast adjustable by client software or web browser
ROI	Support
Network Storage	Support NAS & NVR
Smart Video Analysis	Motion detection, Dynamic analysis, Tampering alarm
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP
Security	User Authentication, Watermark
Standard	ONVIF , PSIA, CGI, ISAPI
Communication Interface	RJ45 10/100 Ethernet port with PoE support
IR Range	Aprox 30 Meters
Reset Button	Yes
Ingress Protection	IP66
Suitable Camera Stand	Yes
Operating Conditions	-30^0 C - $+60^0$C , humidity 95% or less (non-condensing)
Power Supply	12 V DC , PoE (802.3 af)
Power Consumption	7W
Certifications Required	CE, FCC, RoSH, C-TICK,UL,EU

2. **32 CHANNEL NVR**

Features	1. Third party network cameras should be supported 2. Up to 5 Megapixels resolution recording 3. HDMI & VGA output at upto 1920 x 1080P resolution 4. 32 Channel Network cameras can be connected with 100/200M incoming bandwidth. 5. 4 SATA interfaces 6. Plug & Play with 16 independent PoE network interfaces. 7. Support network detection , including network delay , packet loss.
Recording Resolution	5 MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Frame Rate	Main Stream : 50 fps / 60 fps , Sub-stream : 50 fps / 60 fps
HDMI/VGA Output Resolution	1920 x 1080 P / 60 Hz, 1600 x 1200 /60 Hz, 1280 x 1024 / 60Hz, 1280 x 720 /60 Hz, 1024 x 768 / 60 Hz .
Hard Disk Capacity	Up to 4TB capacity for each HDD
Network Interface	2 (TWO) RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces
Serial Interface	RS-232 & RS-485
USB Interface	2 x USB 2.0 + 1 X USB 3.0 (Minimum 3 USB)
Mounting	Chasis 19-inch rack mounted 1.5U chasis
Certifications Required	CE, FCC, RoSH, C-TICK,UL,EU

4. **24 PORT PoE Switch (CISCO Model)**

Features	
	• Twenty-four 10/100/1000 switched RJ-45 ports deliver up to 2 Gbps of throughput per port • Two shared 10/100/1000 mini Gigabit Interface Converter (mini-GBIC) ports • Switching capacity delivers wire-speed performance at 48 Gbps nonblocking capacity • Web View monitoring allows administrators to view the current status and configuration using their favorite web browser • PoE on twenty-four 10/100/1000 ports supplies up to 7.5W per port, or on twelve 10/100/1000 ports supplies up to the IEEE 802.3af maximum of 15.4W per port • Automatic medium dependent interface (MDI) and MDI crossover (MDI-X) cable detection • Port-based and 802.1Q-based VLANs support up to 256 VLANs-4096 range • Port trunking for up to 8 groups allows you to increase your bandwidth for each uplink or server connection

	• Port configuration settings for link, speed, auto MDI/MDIX, flow control, and more • Fully rack mountable using the included rack-mounting hardware • MAC address table supports up to 8000 MAC address entries Optimal platform to support real-time applications such as voice and video by providing features like Internet Group Management Protocol (IGMP) snooping; multiple queues (4) with appropriate scheduling techniques; prioritization of traffic based on port, 802.1p, IPToS/precedence/DSCP, TCP/User Datagram Protocol (UDP) port, and line rate forwarding mechanisms • Enhanced QoS functions including rate limiting for ingress/egress and per flow at 64 kbps granularity • Secure control via SSH for Telnet interface and SSL for HTTP interface • User/network security via 802.1X (with RADIUS authentication) • Advanced security via 802.1 x (with RADIUS authentication)

BILL OF MATERIALS
Item Supply

Sl. No	Item Description	Model	Qty (A)	Unit Rate (B)	Amount (C)= (A)*(B)	Tax	Total Amount (C + Tax)
1	Supply of 1.3 Mp (or) above IP Network Dome IR Indoor/ Outdoor Fixed Camera. Lens: 2.8 mm Preferred Brand : Hikvision/CPPlus/Honeywell/Samsung		3 Nos				
2	Supply of 1.3 Mp (or) above IP Network Bullet IR Indoor/Outdoor Fixed camera . Lens : 6 mm Preferred Brand : Hikvision/CPPlus/Honeywell/Samsung		11 Nos				
3	Supply of 1.3 Mp (or) above IP Network Bullet IR Indoor/Outdoor Fixed camera. Lens : 12 mm Preferred Brand : Hikvision/CPPlus/Honeywell/Samsung		02 Nos				
4	Supply of 32 Channel NVR (Consists of 16 PoE ports) Preferred Brand : Hikvision/CPPlus/Honeywell/Samsung		1 No				
5	Supply of 4TB SATA Harddisk Preferred Brand : Seagate,Western Digital		1 No				
6	Supply of 24 Port (10/100/1000) PoE Network switch. Preferred Brand – CISCO		1 No				
7	Supply of 10/100/1000 Media Convertor Preferred Brand- MROTECH		2 Nos				
8	Supply of 10/100 Media Convertor Preferred Brand- MROTECH		2 Nos				
8	Supply of 15 U Wall Mountable Rack with all accessories (Powerstrip,Fan etc) Preferred Brands-Netrack/VAL rack/Equivalent		1 No				
9	Supply of 6 U Wall Mountable Rack with all accessories (Powerstrip ,Fan etc) Preferred Brands – Netrack / VAL rack / Equivalent		1 No				
10	Supply of Cat6 Cable Preferred Make : AMP		1220 Meter				
11	Supply of 24 Port (Cat 6) Fully loaded patch panel. Make : AMP		2 Nos				

Sl.No	Item Description	Qty	Unit Rate	Amount	Tax	Total
12	Supply of LIU with Patch cords Preferredmake: ESNET/Equivalent	2 Nos				
13	Supply of 6 Core Fibre Cable (PreferredMake: AMP/Finolex/Equ.	300Mtr				
				Total (A)		

Labour Charges

Sl.No	Item Description	Qty (A)	Unit Rate (B)	Amount (C)= (A)*(B)	Tax	Total Amount (C + Tax)
1	Installation & Commissioning of 1.3 Mp (or) above IP Network Dome/Bullet IR Indoor/ Outdoor Fixed Camera	16 Nos				
2	Mounting the 32 Channel NVR (Consists of 16 PoE ports) inside the 15U Rack, termination of Network cables & Commissioning.	1 No				
3	Installation & Commissioning of 24 Port (10/100/1000) PoE Network switch	1 No				
4	Installation & Commissioning of Media Convertor	4 Nos				
7	Fixing of 15 U Wall Mountable Rack with all accessories	1 No				
8	Fixing of 6 U Wall Mountable Rack with all accessories	1 No				
9	*Laying of Cat6 Cable by putting sufficient size conduits (PVC pipes/case capping / thr' the sealing in case of concealed wiring required)	1220 Mtr				
10	Installation & termination of 24 Port (Cat 6) Fully loaded patch panel	2 Nos				
11	Installation and termination of LIU	2 Nos				
12	*Laying of 6 Core Fibre Cable by putting sufficient size conduits (PVC pipes/case capping / thr' the sealing in case of concealed wiring required)	300 Mtr				
13	Commissioning Charges , if any					
				Total (B)		
	Grand Total = Total (A) + Total (B)					

*.   Rates of conduits (Pvc pipes, Case capping) to be included in the laying charges. No need to put separate rates for that.

** Actual Price of the cabling would be calculated as per the actual measurement at the time of installation only.