

# **PRE BID CLARIFICATIONS**

**FOR**

**Supply, Installation, Commissioning & Project  
Management**

**of**

**Outdoor Surveillance system**

**For**

**Yamunanagar and Sonipat**

**on Turn Key Basis**

In reference to the pre bid conference held on 19.05.11 at 12.30 PM in Hartron to take up the queries raised by prospective bidders on the RFP floated by Hartron for Supply, Installation, Commissioning & Project Management of Outdoor Surveillance system For Yamunanagar and Sonipat on Turn Key Basis.

The following clarifications are issued to the various clauses of the RFP:-

1. **Clause No. 3.2 sub part b 1 Network page 19**

The said clause be read as:-

*“ Network :- Leased line or Wireless on Free band or hybrid for Sonipat and Yamunnagar as mentioned at ‘b’ of 3.2 (please note that Haryana Police or Hartron will not provide any assistance for frequency or any licensing issue pertaining to the connectivity including interferences etc.)*

2. **Clause no 3.3 Bill of material pg. 20, page no 102 proforma 9 and 117 proforma 12 under Sonipat**

*The Fixed 2 mega pixel high definition camera be read as Fixed 1.3 mega pixel high definition camera*

3. **Clause no 3.3 Bill of material page no. 20,, Line item 10 at page no 101 and line item 10 at pg. no. 103 of proforma 9 and line item 10 at page no. 107 and line item no. 10 at page no. 109 proforma 12.**

The qty. of video analytics for Yamunanagar shall be 36 and for Sonipat the qty. shall be 48.

4. **Clause no 3.3.1.2 subpart (xix) page no 24**

The said clause be read as:-

*The camera should be fitted in a housing capable of withstanding conditions prevailing on an Indian port*

5. **Clause No. 3.3.1.6 sub part 8 (d) control console**

Only one control console is required instead of two.

6. **Clause no 3.3.1.7 wireless line item - weather proofing**

The said clause be read as

Weather proofing	- IP65/66/67
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7. **Clause no 3.3.1.7**

The line item Type approval mentioned in the above specified clause be read as

Type approval	The product should have type approval of the
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	Government of India Ministry of Communications and Information Technology (Wireless Planning and Coordination Wing) for the band offered and for Maximum Effective Isotropic Radiated Power
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8. *Clause no 3.3.1.7 (a) customer premises equipment*

The line item under Antenna of this clause be read as

Port type: N -type 50 ohm - optional

9. *The specifications of line item no. 4 at page. No. 20 i.e. local switch 16 port layer 2 and line item 5 at page no. 20 i.e. control room switch 24 port layer 3 under bill of material (clause no. 3.3) are as under:-*

A. Layer 2 16 port switch

- (i) 16 No 10/100 ports
- (ii) 2 Nos. 10/100/1000 base T or 1000 Base x Ports. Dual personality or combo ports
- (iii) Nonblocking architecture
- (iv) Minimum 8 Gbps switching fabric and 6 Mpps forwarding rate
- (v) Support IGMP Snooping with Broadcast Control IGMP v3.
- (vi) Support for minimum 8000 MAC addresses.
- (vii) Ethernet, Fast Ethernet support
- (viii) Spanning tree/Rapid Spanning Tree support
- (ix) Per VLAN Spanning Tree
- (x) Support dynamic VLAN Registration
- (xi) Dynamic Trunking Protocol or equivalent.
- (xii) VLAN Trunking Protocol or equivalent internally or externally
- (xiii) Traffic classification should be based on user-definable application types: TOS, DSCP, Port based, Mac address, IP address, TCP/UDP port number
- (xiv) Multicast filtering per port should be supported
- (xv) Prioritization support
- (xvi) 802.1X network admission control
- (xvii) Minimum 250 VLANS
- (xviii) SNMP and Telnet support
- (xix) Web-based and CLI management
- (xx) Four RMON groups (1,2,3&9)
- (xxi) Additional features: Advanced QoS, Rate limiting
- (xxii) Mounting: 19" Rack mountable
- (xxiii) Source power supply: 230 V AC Single phase 50Hz
- (xxiv) The switch should support redundant power supply.
- (xxv) DHCP snooping & DHCP interface tracker
- (xxvi) MAC address notification to track joining and leaving users
- (xxvii) Should support clustering/cascading to be managed by single IP address.

- (xxviii) IPv6 management & HTTPS support
- (xxix) Multi cast Vlan Registration support
- (xxx) Switch should support Qin Q features

- B. Control room switch 24 port layer 3**
- i. Layer 3 stackable switch
  - ii. 24 nos. of dedicated 10/100/1000 Base-T ports
  - iii. 4 Nos. of dedicated 1000 Base X
  - iv. Support to enable dedicated 64Gbps Stacking and 2\* 10G ports (or more) by seamless addition of hardware resources
  - v. Non blocking architecture
  - vi. 160 Gbps switching fabric and 65.5 Mpps forwarding rate
  - vii. Support IGMP Snooping with Broad cast Control IGMP v3
  - viii. Support for minimum 20000 MAC addresses
  - ix. Ethernet, Fast Ethernet, Gigabit, 10 Gigabit support
  - x. Spanning tree/Rapid Spanning Tree support
  - xi. Per VLAN Spanning Tree
  - xii. Support for IEEE 802.1Q tagging - 1K VLANS & VLAN ID's
  - xiii. Dynamic Trunking Protocol or Link Aggregation Control Protocol or equivalent.
  - xiv. VLAN Trunking Protocol or centralized VLAN management or equivalent
  - xv. Traffic Classification should be based on user-definable application types: TOS, DSCP, Port based, Mac address, IP address, TCP/UDP port number
  - xvi. Multicast filtering per port should be supported.
  - xvii. Support SNMP upto ver.3
  - xviii. Prioritization support
  - xix. Minimum 5000 VLANS
  - xx. SNMP and Telnet support
  - xxi. Web-based and CLI management
  - xxii. Four RMON groups (1,2,3&9)
  - xxiii. Out of Band Management Ethernet RJ45 Port
  - xxiv. Additional features: Advanced QoS, Rate limiting
  - xxv. L3 Features: Static routes, RIPv1/v2 & RIPv3
  - xxvi. Security: Time based L2/L3/L4 Access Control Lists, 802.1X, IPFIX, and AAA Radius support
  - xxvii. Mounting: 19" Rack mountable.

10. **Eligibility Criteria:-**

*Clause no 4.2 Minimum Eligibility Criteria sub part (vi) be read as The bidding firm/company or their technology partner /OEM have made profits as per the audited balance sheets in the last three financial years and should be in sound financial position as judged by the Evaluation Committee for this purpose.*

The above clarifications shall now become the part of the tender document. Other terms & conditions of the tender remain same.

S.No	Page No	Point No.	Present Statement (RFP)	Clarification required	clarifications
<b>M/s Vayamtech</b>					
1	Page No. 37	Point No 1(a), Vehicle Detection and Video Capture Module,	Inductive Loop based sensor detection is required in ANPR	Please clarify from HARTRON, are they looking for inductive loop based sensor detection or they would like to go for camera based detection by using intelligent algorithms.	As per tender
2	Page No. 39	Point 8(d), Hardware specification of ANPR	Two control consoles are mentioned on either side of the road,	As there is no need for two control consoles, only one console is sufficient. Having two consoles will raise the cost of the system. Please also take clarification whether control booth shall be provided by Hartron or Police	Agreed
<b>M/s LG Security</b>					
3.			Generate an alert when an object moves in a defined Detection Region within the camera's field-of-view , or remains within a Detection Region for a pan- till-zoom (PTZ) camera.	Analytics is run on Fixed camera only. This can done for fixed cameras. A moving camera can't do the analytics. Please clarify	Agreed

4.			Track objects emerging from and located on water.	Why this feature is required.	As per tender
5.			Filter out noise caused by moving foliage, snow, rain, wet conditions, shadows cast by objects.	It will not be possible to filter out all the conditions mentioned here. Please Suggest.	As per tender
6.			Mask water reflection, clouds, birds and small animals.	It will not be possible to mask out all reflections. Small objects can be eliminated based on configurations. Please clarify	As per tender
7.			Handoff PTZ camera for close up object interrogation	Please Clarify	As per tender
8.			Filter out noise caused from moving foliage, snow, rain, wet conditions, shadows cast by objects, water reflection, or any other clouds, birds and small animals.	It will not be possible to filter out all the conditions mentioned here. Please Clarify	As per tender
9.			Hearbeat images	We are not able to understand this requirement, Please Clarify	As per tender
10.			VMS shall support video export to all type of video formats-to be played including any Windows Media Player, with no software installation as a prerequisite	VMS shall export video in mp4 format. This format can be played by windows media player. please Suggest	As per tender equipment

11.			Windows Messages-to allow to send a Windows NET SEND message to a user, a machine, or group of machines	This is a Vendor Specific requirement our system uses different messaging system. Please Clarify	As per tender equipment
<b>M/S Digital Data Communication India</b>					
12.	Page No.23	Point No. Ref Para No. 3.3.1.2 (iv)	Specifications for a fixed 1.3 Megapixel camera is mentioned over there. However, on Page No. 20&109 subsequently it is mentioned as 2 Megapixel cameras	Kindly confirm whether HARTRON requires 1.3 Megapixel or 2 Megapixel Cameras (1920x1080)at 25/30fps real time resolution	1.3 Megapixel
13.	58	5.14 (x)	It is mentioned that tender shall draw up a matrix covering the following parameters before deciding the successful bidder. However there was no further clarify on these parameters along with the point system. Since it is already mentioned that QCBS system to follow in this tender and B1 is supposed to get the contract.	We request more details about the matrix for further clarity including weight age ratio on both Technical and Commercial bids for deciding the B1 factor.	No QCBS mention
14	19	3.2 (b,1)	About Network Support. It is mentioned that Haryana Police or Hartron will not Provide any kind of assistance on frequency or licensing issue pertaining to the connectivity including interferences etc. Kindly note that without the assistance of Haryana Police/Hartron it is impossible to import these equipments as it illegal to get licensed band wireless equipments to India without WPC clearance.	Please note that bid requirement is 1.5.4.9 or GHz licensed bands and hence it is impossible to import these requirement and install at site without the assistance of Hartron and Haryana Police.	Self Explanation

15.	77	6.71.1 (i)	Payment will be made in advance for any supplies/ services under the project.	We request your good office to consider mobilization advance up to 50% of the tender value against the BG	No Change
M/s JVC					
16.		Point No 3.3.1.1. (B) - cameras specific ation		(xxix) Electronic Shutter speed if asked (xli) Must have pan & tilt speed >400 deg/sec.	No Change
M/s Prithvi					
17	Page No. 20	Point No. 3.3 Pg.	Local Switch,16 port, Layer 2, 10/100	There is No Detailed Specs for the switches in mentioned. The Switches requires certain critical features on the Switches to ensure better Uptime, Performance, QoS and easy manageability	Specifications provided
18	20	3.3	Control Room Switch, 24 Port, Layer 3, 10/100/1000	There is No Detailed Specs for the switches in mentioned. The Switches requires certain critical features on the Switches to ensure better Uptime, Performance, QoS and easy manageability	Specifications provided