

ANNEXURE - I**SPECIFICATIONS AND ALLIED TECHNICAL DETAILS OF CCTV FOR****BHEL - R.C. PURAM – HYDERABAD**

Sl	<u>Technical Specifications and Bill of material</u>	Conformance Yes/ No	Deviation if any
	A. Details of CCTV at FACTORY		
1.	CAMERA High resolution color camera – 29 nos Make: Bosch / ACTI / PELCO/ZICOM/Honeywell Specifications as per Annexure “ B “		
2.	Outdoor PTZ Cameras with 25X optical zoom with controller-3nos. Make: BOSCH / ACTI / PELCO Specifications as per Annexure “ C “		
3.	16 channel DVR system (PC based) with software in CD form- 2nos Make: BOSCH / ACTI / PELCO/Zicom/Honeywell Specifications as per Annexure “ A “		
4.	20.1” LCD Flat Panel display monitor – 1no Make: BOSCH / ACTI / PELCO /LG / SAMSUNG/ZICOM/HONEYWELL Specifications as per Annexure “ E “		
5.	21” color Video CRT monitor – 9 nos Make: BOSCH / ACTI / PELCO/HONEYWELL/ZICOM Specifications as per Annexure “ D “. 8 nos of CRT will be housed in control panel and 1no will be spare.		
6.	A suitable sheet metal control panel to house 8 nos of CRT monitor and other hard ware – 1 No.		
7.	PC work station Make: HP/IBM/DELL - 1no Specifications as per Annexure “ F “		
8.	Remote client viewing software – 1no.		
9.	Online UPS with 1 hour back up with maintenance free batteries – 9nos of 1KVA and 1 no of 5KVA. Specifications as per Annexure “ G “		
10	Video amplifiers / repeaters / connectors – as required.		
11	Supply of cables , RG11, signal and power cables laying in suitable conduits - As required . Please refer lay out as per Annexure “ H“ .		
12	Video manager / quad unit Specifications as per Annexure “ I “ Make: Bosch / ACTI / PELCO/ZICOM/Honeywell (If required)		
13	In addition to locating the monitors in the control room at Main Gate , the vendor has to make provision to view any of the 32 cameras on a PC in the office of Assistant Commandant / CISF located at J Gate with password protection Supply of PC, any other hardware and / or software , network components / connectivity required, etc shall be in vendor's scope.		
14	The CCTV system should permit a minimum recording of 14 days of each of the 32 nos. of cameras.		
15	The entire CCTV system shall be connected through suitable hard wired cables. The scope includes supply of cables , conduits, laying them, supply of power cables, connecting them, etc . Use of existing Ethernet, remote communication or any other mode is not permitted.		
16	The requirement, calls for a complete working system and not components thereof. Bids must be complete with all equipment and required accessories along with necessary power systems including		

	standard Un-interrupted Power Supply for the entire equipment, video connectors, patch connectors, patch leads, mounting and fitting hardware, plugs, sockets, and any hardware/software, supply of cables , laying cables in suitable conduits, necessary excavation, network components , etc. as required for complete installation of the System under this contract.		
17	List of cameras, location of cameras and block diagram are all enclosed.		
18	Mounting of still cameras: All the 29 nos. of still cameras covered under A-1 above shall be mounted in the existing structures. The scope should include necessary mounting arrangement / brackets / wiring , etc		
19	Mounting of 3 nos of PTZ : Each of the PTZ cameras are to be fixed on top of 8m MS hot dip galvanized pole. The scope includes supply , erection and installation, supply of suitable brackets / stands , wiring , necessary civil works, etc,		
20	Selection of camera to view on the monitor shall be through PC in the control room.		
21	The control room shall be located near the Factory Gate as shown in the layout diagram in annexure "J".		
22	32 nos of cameras needs to be viewed in 8 nos of monitors i.e. 4 cameras in one monitor. The operator in control room should have the choice of magnifying the view / other selections as desired. To facilitate this , the vendor should include necessary video manager / quad unit as mentioned in point no 12 in his scope		

Annexure A

16Ch A/V Real time DVR Technical Specifications:

SL	Details			Vendor's acceptance	Remarks
1	Display	Speed	NTSC:480fps, PAL 400fps		
1.1		Screen Division	1,4,9,16 Division		
2	Recording	Max. Speed (@CIF)	NTSC:480fps, PAL: 400fps		
2.1		Resolution	NTSC: 704x480, 704x240, 352x240		
2.2			PAL: 704x576, 704x288, 352x288		
2.3		Recording Option	Continuous, Motion, Sensor, Pre-Alarm		
3	Video	Format	NTSC / PAL		
3.1		CODEC	MPEG4/MJPEG		
3.2		Input	16CH or more		
3.3		Output	VGA,CVBS, S-Video, Programmable spot out (1Ch quad, 4ch full)		
4	Audio	Input	16Ch (line input)		
4.1		Output	1 Ports/16 Ch		
4.2		CODEC	G.726(8Khz Mono)		
5	Alarm	Input	16 Ports		
5.1		Output	4 Ports or more		
6	Network	Transmission	Ethernet (RJ45)		
6.1		Protocol	TCP/IP (support Dynamic IP)		
7	Backup	Device	USB,CD-RW,SCSI, Network,DVD-RW (optional)		
	Search & Export:				
	It shall be possible to search for recordings in the VRS by camera, date and time. If a data and time is specified, playback shall commence from that date and time. It shall be possible to playback more than one camera simultaneously.				
	The VR shall be able to export sections of recordings to a separate Windows folder, which can then be written to CD-ROM, DVD-ROM or tape media to be played back at a location not connected to the NVE network. The export process should make available a player application, which can be provided with the exported video.				
8	Other Function	Remote Control	Remote Software (CMS)		
8.1		Remote Alarm	Email, CMS Report		
8.2		PTZ	RS 232C/485/Bilinux		
8.3		W/D Function	Yes		
8.4		Image Authentication	Watermark		
8.5		Language	10 Languages		

8.6		Password	Multi Level User Password Authentication		
8.7		USB	2 Port (USB 2.0) or more		
9	Working Temperature	0 ~ 50 Degrees Centigrade			
10	Power Source	AC 100 ~ 240V, 50/60Hz			

Annexure B

CAMERA SPECIFICATIONS

i) 1/3" HAD CCD in Dome with IR, Built in Back Light Compensation (BLC):

SL	Details		Vendor's acceptance	Vendor's remarks
1	Image Sensor	1/3" HAD CCD		
2	Effective Pixels	PAL:500(H) x 582 (V)		
3	Signal System	PAL		
4	Horizontal Resolution	480TV Line or more		
5	Built in Lens	3 – 12mm		
6	Mini Illumination	1 Lux		
7	Shutter Speed	1/50 – 1/100000 second		
8	S/N Ratio	More than 48db (AGC off)		
9	Video Output	1.0 Vp-p. 75ohms		
10	Power Supply	230V AC		
11	Power Consumption	2.7W or less		
12	IR Wavelength	850nm		
13	IR Ray Distance	30m		
14	Infrared Switch	Night/Day ON/OFF		
15	Illumination for IR On	Less than 1 Lux		

Annexure C

Specification of PTZ Camera:

SL	Details	Vendor's acceptance	Vendor's remarks
1	High Performance outdoor dome camera with pan tilt and zoom functions.		
2	1/3-inch Hi-Resolution CCD with 420/460/480 TVL .		
3	Day and Night Operation with 25x Optical Zoom Lens (3.8 mm to 95 mm) and 10x Electronic Zoom.		
4	FPS : 30fps		
5	Day and Night Operation with Mechanical IR Cut Filter:		
6	Mini Illumination - 1 Lux		
7	ON/OFF, Auto, Alarm, Timer		

8	Pan: 360° unLimited Rotation ; Tilt: -5deg to 90deg		
9	Power Supply – 230VAC		
10	99 prepositions or more		
11	Suitable for Indoor / Outdoor centralized monitoring setup		
24	Software Upgrade: Onsite SW Upgrade		
25	Power line Surge Protection and Lightning Protection : Built In		

Annexure D

CRT Monitor Specifications:

Details			Vendor's acceptance	Vendor's remarks
CDT	Size/Viewable Area		21"(20.0" Viewable)	
		Typical	393x295	
	Display Size	Max	406.4x304.8	
	Pitch		0.20mm(H)	
	Deflection		90'	
	Surface treatment		Multi-Layer Coating	
Signal Input	Video Signal		RGB Analog	
	Sync Signal		Separate H/V, Composite, SOG	
	Connection		15pin D-Sub, 5BNC	
	Cable		VGA Cable	
	Frequency	Horizontal	15~130kHz	
		Vertical	50~160Hz	
		Pixel	360MHz	
Resolution	Maximum		2048x1536 @80Hz	
	Recommended		1280x1024 @118Hz 1600x1200 @102Hz	
Features	Plug & Play		DDC 2B/2Bi/GTF	
	User Control(OSD)	Display Directorx2122	Available	
	Mode	Factory/User	8/10 modes	
	Cabinet Color (front / back)		Black/Silver-Tone	
	Environmental /Ergonomics		TCO 03	
Regulation	Windows Logo		Windows 98/2000/ME/XP	
	Power Supply		AC90~264VAC, 50/60Hz	
Power	Power Consumption		130W	
	Stand By Power (DPMS)		≤2W @Off Stateu	
	Regulation		EPA/Energy2000/VESA DPMS	

Annexure E

TFT / LCD Monitor Specifications:

Details			Vendor's acceptance	Vendor's remarks
PANEL	Viewable Area	19"		
	Pixel Pitch	0.255 x 0.255 mm		
	Brightness	250 cd/m ²		
	Contrast Ratio	500:1		
	Viewing Angle(H/V)	170° / 170°		
	Response Time	16 ms		
	Interface	Analog / Digital		
FREQUENCY	Horizontal Frequency	30~81 kHz		
	Vertical Frequency	56~75 Hz		
	Bandwidth	162 MHz		
MAXIMUM RESOLUTION		500 TVL		
COLOR SUPPORTED		16 Mil. Or more		
SIGNAL INPUT	Input Video Signal	Composite video A , B		
	Video Level	Analog : 0.7VP-P, Digital : TMDSTM		
	Sync. Type	Separate H/V, Composite H/V, SOG		
	Audio input	2 input RCA jack		
	Input Connectors	15pin D-Sub, DVI-D		
	Signal Cables	VGA Cable, DVI Cable		
		DDC 2B		
Signal output	video	Composite video A , B		
	Audio	2 outputs RCA jack		
	DDC	63 Watts (Max.)		
POWER	DPMS Mode	<2 Watt		
	Power Off Mode	<0 Watt (Mechanical Switch-Power off)		
	Energy Star/NUTEK	O		
	O			
OSD-DIGITAL DISPLAY DIRECTOR™		VESA 100mm		
WALL-MOUNT		TCO'03(Silver)/ TCO'99(Black)		
EMISSIONS STANDARD		Silver / Silver		
CABINET COLOR		Black		
AVAILABLE COLORS (OPTIONAL)		O		

MAC COMPATIBILITY	Built-in Power, Dual interface, Narrow Bezel, Mechanical S/W, Pivot & HAS Stand (100mm Lift).		
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Annexure F

Specification of PC

1.	CPU Single Intel Xeon 3 GHz or better chipset with 1 MB cache, Hyper-Threading Technology and Intel Extended Memory 64 Technology (EM64T). Intel High Performance E7520 Chipset with 800 MHz FSB or better.		
2.	HDD Interface IDE or better		
3.	RAM Up to 1 GB ECC DDR2 SDRAM, 400 MHz (2x512 MB) – 6 DIM Socket OS Microsoft Windows XPP with latest service pack		
4.	Ethernet Card Dual Onboard Intel Gigabit Ethernet with Load Balancing and Fail over Support		
5.	CD Drive 24x EIDE CD-ROM		
6.	HDD 160 GB SCSI HDD, 10,000 U/Min, 1” S.M.A.R.T.II or better		
7.	Other features Onboard Single channel Ultra 320 SCSI Controller Hot-plug HDD, redundant Hot-plug fan. 1 internal Hot-plug SCSI HDD 1 U mounting		

Annexure G

ONLINE UPS

1	1KVA with 1 hour at each gate totaling 9 nos from Libert / APC with SMF		
2	5KVA with 1 hour back up at control room – from Libert /APC with SMF		
3	Supply of suitable cables , plugs , etc from / to UPS are in vendor's scope		

Annexure H

Cable and connectors

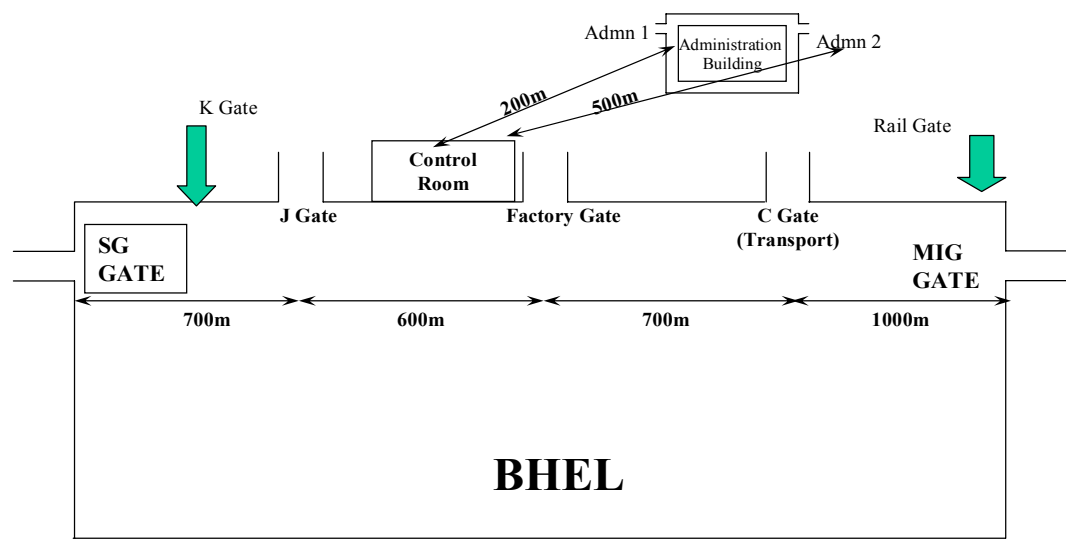
1	Supply of all cables (control , power, etc) , necessary PVC conduits, laying of cables (including digging and proper filling thereafter), civil works, etc , are all in vendor's scope . Please refer LAY OUT diagram in Annexure 'J' for reference.		
2	All the cables (signal & power) shall be armoured.		

Annexure I

QUAD Unit

1	Power - 90 to 265 VAC Video format - PAL		
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Resolution	- 720 x 620		
Video input	- 4		
Video output	- Loop through (4)		
	- 1 Monitor output		
Video input voltage	- 2 VP-P max		
Camera selection	- Quad/Fullscreen/Sequencing		



Note:

- 1) Distance between MIG gate and Rail Gate is about 600m.
- 2) Distance between SG Gate and K Gate is about 500m.
- 3) Drawing not to scale.

ANNEXURE “J”. BHEL SITE LAY OUT DIAGRAM.

Annexure K**DETAILS OF CAMERAS**

A. The number / type of cameras for each of the gates are as below:

SL	GATE	Fixed camera with varifocal lens	Outdoor P/T/Z Camera with 25 X optical Zoom	Sub Total
1	Switch gear	2	0	2
2	J gate	5	1	6
3	Factory gate	7	1	8
4	C gate	2	0	2
5	MIG gate	2	0	2
6	Admn 1	2	1	3
7	Admn 2	2	0	2
8	K Gate	2	0	2
9	Rail gate	1	0	1
10	Spare	4	0	4
	GRAND TOTAL	29	3	32

Admn 1 : Administrative Building gate 1.

Admn 2 : Administrative Building gate 2.

Annexure-II

Scope, Terms and Conditions

Terms Used:

OEM – Original Equipment Manufacturer / Principal Equipment Manufacturer

Bidder – Bidder participating in the tender as per the qualification criteria

AMC – Annual Maintenance Contract

A. SCOPE OF SUPPLY		Bidder's Compliance Yes / No	Bidder's Remarks
1.	<p>Installation of Close Circuit Tele Vision (CCTV) system with recording facility at all the 9 security gates of BHEL RC Puram Hyderabad consisting of the following.</p> <ul style="list-style-type: none">Design, Supply, Installation, Configuring, Testing, Commissioning and maintenance of the CCTV system as per specifications enclosed (Annexure-I).The offer should be both for (i) outright purchase as well as for (ii) 5 year lease cum rental basis. BHEL reserves the right to opt for either of it.In addition to this , offer for AMC rate for 3 years period after warranty period (2 years) under out right purchase . AMC after 5 year period under lease/outright (specify % of outright price) in the price bid. However, this shall not be considered for tender evaluation purpose. BHEL also reserves the right to negotiate AMC rates.		

B. Bidder Qualification Criteria		Bidder's Compliance Yes / No	Bidder's Remarks
2.	<p>Bidder should be either OEM of CCTV who is willing to under take total scope of work OR an Authorized System Integrator having direct purchase and support agreement with the OEM to quote for this tender.</p> <p>The system Integrator shall submit a letter of Authorization from OEM for this specific tender.</p> <p>The Certificate / Authorization Letter specific to this tender must be enclosed with the Technical Bid, without which the offer shall be liable for rejection.</p>		

Name:

Company Seal

Signature: with Date:

3.	All the cameras offered by the Bidder shall be from single OEM only.		
4.	A bidder shall submit only one bid of a single OEM for the entire CCTV system.		
5.	The Bidder and the OEM should be able to support the Project site and the equipment for a period of 10 years. All Software Updates shall be provided during the warranty period + subsequent 3 years AMC incase of out right purchase or during the lease period incase of lease cum rentals at no extra cost. Bidder & the OEM shall give commitment letter in this regard.		
6.	The OEM should have support infrastructure in spares stocking, Technical support and logistics in different locations in India. Specify the OEM Spares logistics locations in India with address.		
7.	<p>I) The Bidder should have experience in executing CCTV solutions (CCTV with not less than 16 cameras in Industry or Government establishments). The Bidder should have successfully executed a minimum of THREE such solutions during the last 3 years as on 31st March 2007:</p> <p>NOTE :The executed work under consideration should be of total Solution and Infrastructure Setup, which consists cable laying, and system integration. Order copies of works Executed / contract documents should be provided by Bidder along with the Techno-commercial Bid.</p>		
8.	Minimum Turnover : A minimum turnover of Rs 1 Crore / year for the last THREE years. The Bidder should submit financial statements for the last three years, duly audited by practitioner chartered accountant to assess the financial solvency.		
9.	Bidder should have professionals from the OEM of the quoted products and also having experience of implementing / maintaining CCTV.		
10.	Bidder should fulfill all statutory and safety requirements for personnel engaged while executing the contract. Due to non compliance of the applicable statutory provisions, if BHEL has to incur any expenditure in this regard the same will be compensated by the Bidder.		
C. Techno-Commercial Terms and Conditions		Bidder's Compliance Yes / No	Bidder's Remarks
1.	The offer should be valid for 180 days from date of opening Price bid.		

Name:

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Signature: with Date:

2.	The requirement, calls for a complete working system and not components thereof. Bids must be complete with all equipment and required accessories along with necessary power systems including standard Un-interrupted Power Supply for the entire equipment, video connectors, patch connectors, patch leads, mounting and fitting hardware, plugs, sockets, and any hardware/software, supply of cables , laying cables in suitable conduits, etc. as required for complete installation of the System under this contract.		
3.	The CCTV system should permit a minimum recording of 14 days of each of the cameras.		
4.	The entire CCTV system shall be connected through suitable hard wired cables. The scope includes supply of cables , conduits, laying them, supply of power cables, connecting them, etc . Use of existing Ethernet, remote communication or any other mode is not permitted.		
5.	<i>The offer should be both for (i) outright purchase as well as for (ii) 5 year lease cum rental basis. BHEL reserves the right to opt for either of it.</i> <i>In addition to this , offer for AMC rate for 3 years period after warranty period under out right purchase. AMC after 5 year period under lease/outright (specify % of outright price) in the price bid. However, this shall not be considered for tender evaluation purpose. BHEL also reserves the right to negotiate AMC rates.</i>		
6.	Following points (7 to 16) to be noted incase LEASE RENTAL option is chosen.		
7.	Lease rentals quoted shall be inclusive of the following during the lease period and shall remain FIRM without any variation till completion of the lease contract: a. Freight, handling and packing charges, transit insurance, installation. b. On-site comprehensive maintenance (as covered in point no 14) c. On-site comprehensive Insurance covering total scope of supply and man power. d. Spares & <u>Software/Firmware Updates</u> All taxes & Duties.		
8.	Lease Rentals will commence only after successful supply, installation and commissioning of the entire equipment as per the scope of the contract. The completion of installation and commissioning shall be as per the mutually agreed ATP (Acceptance Test Plan) and shall be certified by BHEL.		

Name:

Company Seal

Signature: with Date:

	<p>Delivery of all the equipment shall be within 10 weeks from date of LOI (Letter Of Intent) and shall be commissioned within 16 weeks after LOI. Penalty will be levied in case of delays @ ½ % per week of delay, of total outright value of all items ordered, subject to a maximum of 10%.</p> <p>In case of non acceptance of the above, loading will be done considering the proportionate of maximum % of penalty, only for the purpose of evaluation.</p>		
9.	Lease Rentals will be paid on quarterly basis, on successful completion of each quarter and on certification by BHEL.		
10.	<p>Terminal charges to be paid at the end of the contract period is Rs.1/- (rupees one only). On payment of terminal charges, the ownership of entire System including all the equipment, spares & software will get transferred to BHEL without any other payments. BHEL reserves the right to take possession of the equipment by paying the terminal charges.</p> <p>In case BHEL decides to surrender the equipment after the expiry of the contract, Bidder shall remove the equipment from BHEL premises at his own risk and cost after due permission from BHEL within a month after receiving communication in this respect</p>		
11.	<p>The Annual Maintenance Charges subsequent to the lease rental period shall be quoted as a percentage of outright purchase value of each item. The scope of AMC after lease period shall be comprehensive including spares & Services and shall be applicable for a period of 5 years and will be binding on the Bidder.</p> <p>BHEL reserves the right to enter in to AMC after the Lease Rental period renewable each year for a period of 5 years or less.</p>		
12.	Successful bidder shall enter into lease rental agreement with BHEL on non-judicial stamp paper of required value as per extant rules, at their own cost as per the draft agreement format (Annexure-F)		
13.	On-site Comprehensive insurance covering total scope of supply and man power during the currency of the contract. The beneficiary of the Insurance should be BHEL.		
14.	<p>Comprehensive maintenance which shall comprise the following :</p> <ul style="list-style-type: none"> a. Replacement of faulty equipment b. Installation charges c. Site inspection charges d. Cost of Maintenance Engineers <p>Lease tax/right to use tax / any other statutory levies including service tax.</p>		

Name:

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Signature: with Date:

15.	Spares: The Bidder shall maintain required spares to maintain the specified uptime. These are to include a minimum of 1 number of stand alone camera and 1 number of monitor at BHEL.		
16.	Hardware upgrades during rental contract period shall provide upward compatibility at mutually agreed prices.		
17.	Following points nos.18 to 22 to be noted incase out right purchase option is chosen.		
18.	Price for out right purchase quoted shall be inclusive of the following and shall remain FIRM without any variation till completion of the contract: Freight, handling and packing charges, transit insurance, installation.		
19.	Warranty shall be for a period of 24 months from date of commissioning.		
20.	The vendor should quote the following rates separately. a) Charges for deputation of one engineer during warranty period of 24 months. Scope as per point 33 & 37 b) AMC charges for 3 years after completion of warranty period. AMC charges will be paid on quarterly basis, on successful completion of each quarter and on certification by BHEL. AMC charges should include Comprehensive maintenance which shall comprise the following : (i)Replacement of faulty equipment (ii)Installation charges (iii)Site inspection charges (iv)Cost of Maintenance Engineers (v)Lease tax/right to use tax / any other statutory levies including service tax.		
21.	DELIVERY , Installation and Commissioning : Supply , Installation and Commissioning of complete CCTV system shall be completed to the satisfaction of BHEL within 16 weeks from date of Purchase Order.		
22.	Spares: During warranty and AMC period , the Bidder shall maintain required spares to maintain the specified uptime. These are to include a minimum of 1 number of stand alone camera and 1 number of monitor at BHEL. There will not be any separate payment on account of this.		

Name:

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Signature: with Date:

23.	The bidder should provide 24x7 support for the equipment. Any component/equipment failed shall be replaced / replenished within 4 hours on all days of the week.		
24.	The bidder for completion of project shall provide all mounting installation etc.		
25.	Possible applications of the proposed CCTV System should include tracking movements/ verification and recognition, through high quality images, of persons and objects including vehicles. The recordings of the scene of the Jurisdiction shall be helpful in case of enquiries etc. in establishing the truth.		
26.	Manufacturer products shall have quality system compliance with the I.S./ISO 9001/EN 29001 and the equipments shall be CE/UL approved.		
27.	All the equipment of external fitment should be IP-66/ NEMA-4 complied and vandal proof.		
28.	CONTROL ROOMS: The CCTV system to be monitored from Control Room which is very close to Factory Gate.		
29.	CAMERAS The quantities and location of camera required CCTV System is given in Annexure-V		
30.	Ordered items shall be offered for pre-dispatch inspection before shipment. BHEL reserves the right to inspect the components or give dispatch clearance based on Bidder's inspection and other reports.		
31.	All ordered equipment shall be supplied with relevant test certificates, certificate of newness of equipment and any other statutory documents.		
32.	Complete technical literature pertaining to the products, any relevant bench mark results/test results are to be submitted along with technical offer.		
33.	At least 1 qualified Engineer shall be stationed at BHEL site Noduring contract period, for upkeep and maintenance of the equipment. This engineer shall have expertise in managing the system under the contract. Documentary proof of certification and experience of the engineer shall be provided. The engineer shall be available on-site between 7.30 AM to 4.30 PM during all working days of BHEL, Ramachandrapuram and shall be available on call basis round the clock, to meet any exigency.		
34.	Uptime of 99% shall be guaranteed for the system on monthly basis. Any down time beyond 1% will result in the reduction of AMC charges / lease rentals which ever is applicable on Pro rata basis.		

Name:

Company Seal

Signature: with Date:

35.	Bidder should arrange a system for registration, monitoring and redress of all complaints during the contract period.		
36.	The Bidder shall submit the proposed plan of execution and the methodology to execute the plan at the time of bid submission.		
37.	<p>MAINTENANCE</p> <p>Maintenance service shall cover services, repairs and replacements necessary to keep the equipments in good working order on reasonable use of the equipments during the lease period. Periodic maintenance check should be carried out to keep the equipments in good working conditions. Maintenance will include all cameras , hardware, UPS, UPS batteries, etc. Batteries of all UPS are to be replaced in the last quarter of the lease contract / AMC period.</p>		
38.	<p>DOWNTIME CALCULATION FOR THE SYSTEM</p> <p>Bidder shall be responsible for maintaining a minimum uptime of 99% for the entire system on monthly basis. Any down downtime above 1% will be subject to deduction of lease rentals or AMC charges which ever is applicable on following basis.</p> <p>The downtime will be calculated as shown below:</p> <p>Example:</p> <p>a) AMC/Lease amount per quarter : Rs. A</p> <p>b) Total available hours per Quarter :24HX 30DX3M = 2160H</p> <p>c) Down time allowed is 1% = 21.60 Hrs</p> <p>d) If the system is down for 50 Hrs in a quarter, The deduction will be : Rs. (50-21.60) X A X 1/2160</p> <p>Note:</p> <p>If the uptime for equipment falls below 99% continuously for 1 month, the equipment shall have to be replaced by the Bidder, without any extra charge.</p> <p>Down time Hours will be calculated for any item failure in the system like Cameras, monitors, Cards, connectors, Cables etc.,</p>		
39.	<p>TRAINING</p> <p>Training of BHEL personnel shall be part of the contract.</p> <p>During installation at BHEL, the associated BHEL coordinators shall be guided on the system usage.</p>		

Name:

Company Seal

Signature: with Date:

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40.	INSTALLATION AND COMMISSIONING The entire cable laying (power and control) and connectivity of equipment in the system , supply of suitable brackets for cameras, fixing them etc ,will be in the scope bidder .		
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Name:

Company Seal

Signature: with Date:

D. Termination of Lease contract and Consequences		Bidder's Compliance Yes / No	Bidder's Remarks
41.	<p>BHEL reserves the right to terminate the order/contract, upon situations arising due to non-compliance of contract Terms & Conditions or non-performance of the equipment/system below 99% continuously for more than one month, at the risk and cost of the Bidder.</p> <p>On termination of the lease agreement, no lease rent shall be payable to the Bidder for the remaining period from the date of Termination.</p>		
42.	In case of the contract termination, Bidder shall remove the equipment from BHEL premises at his own risk and cost after due permission from BHEL		
43.	Fore-closure: In case of fore-closure of the lease agreement by the BHEL for reasons not attributable to the Bidder, pro-rata compensation will be payable. Compensation will be equivalent to the basic price component for the remaining quarters of the lease period and the ownership of the equipment shall be transferred to BHEL.		
44.	<p>ACCEPTANCE OF ORDER</p> <p>Bidder shall submit Letter of acceptance for the LOI/ Order/ Contract within one week.</p>		
45.	<p>PATENTS & TRADEMARKS</p> <p>Bidder shall at all times indemnify BHEL against all claims which may be made in respect of the Systems/goods/Software supplied, for infringement of any right protected by patent, registration of designs or trade marks and legality of usage of Software. In the event of any such claims being made against BHEL, BHEL will inform the Bidder who shall at his own cost either settle any such dispute or conduct any litigation that may arise there from.</p>		
46.	<p><u>Risk Purchase :</u></p> <p>BHEL reserves the right to exercise 'Risk Purchase' option for procurement of the undelivered items, or their equivalent, from any other source at the cost of the Bidder in case there is delay of more than 8 weeks beyond the delivery date, in completing the execution of the order. Similarly, the 'Risk Purchase' option shall be exercised by BHEL for spares and services in case of excessive downtime or poor maintenance support. Such expenses will be deducted from any payment due to the Bidder from BHEL.</p> <p>Bidder is responsible for the integration/maintenance of the equipment purchased under 'Risk Purchase' clause.</p>		

Name:

Company Seal

Signature: with Date:

47.	<p><u>Indemnity :</u></p> <p>Bidder shall fully indemnify and keep indemnified BHEL against all claims which may be made in respect of the use of System/Software/Item(s)/services supplied/rendered by the Bidder, for infringement of any rights protected by patent, registration of designs or trademarks and legality of the Software.</p> <p>All such claims in this regard will be settled as per Indian Laws.</p> <p>In the event of any such claims being made against the BHEL, BHEL will inform in writing to the Bidder who shall at his own risk and cost either settle any such dispute or conduct any litigation that may arise there from.</p>		
48.	<p><u>Insurance:</u></p> <p>Comprehensive insurance cover for all equipment during the currency of the contract. The responsibility for the insurance will rest with the Bidder only. Insurance for the complete Systems/Goods shall be arranged by the Bidder at his own risk and cost throughout the period of lease contract. Evidence of insurance policy shall be submitted to BHEL</p>		
49.	<p><u>Confidentiality:</u></p> <p>Bidder shall, at all times, undertake to maintain complete confidentiality of all data, information, software, drawings & documents, etc. belonging to the BHEL and also of the Systems, procedures, reports, input documents, manuals, results and any other company documents discussed and/or finalized during the course of execution of the order/contract</p>		
50.	<p><u>Arbitration :</u></p> <p>In all cases of disputes emanating from and in references to this agreement the matter shall be referred to the arbitration of the sole arbitration of the Executive Director/ GM of BHEL, Hyderabad or any other person (including an employee of BHEL, even though he had to deal with the matter relating to this agreement in any manner) nominated by the said Executive Director /GM to act as sole arbitrator. The arbitration shall be under 'THE ARBITRATION AND CONCILIATION ACT OF 1996' and the rules there under. The arbitrator may from time to times with the consent of the parties enlarge the time for making and publishing the award</p>		
51.	<p>Withdrawal from the Contract:</p> <p>In case the bidder withdraws the offer submitted by him/her after it is accepted by BHEL and fails to supply the goods as per the terms and conditions of the contract, or at any time repudiated the contract wholly or in part, BHEL shall be at liberty to cancel the purchase order and to recover from the bidder the extra cost and the other loss incidentals to the breach of contract on the</p>		

Name:

Company Seal

Signature: with Date:

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	part of the Bidder.		
52.	In addition to the terms and Conditions mentioned in this document, General Terms and Conditions in Annexure-IV are to be adhered to.		

Name:

Company Seal

Signature: with Date:

Annexure-IV

General Terms and Conditions

1. BIDDER TO INFORM HIMSELF FULLY:

- 1.1. The bidder shall closely peruse all the clauses, specifications and requirements and drawings etc., specified in the tender documents, and the offer made should be in accordance with these documents. If bidder requires any clarification and additional information on any of the tender documents/conditions, the bidder shall contact the BHEL Official inviting bids at the earliest.
- 1.2. Bidders are advised to study all the tender documents carefully and submit their offer and the Bidder obliged to honor the offer without any modifications. Any offer not meeting the scope/specifications, terms, conditions, and any other clause specified in the tender documents shall be liable to be rejected.
- 1.3 BHEL reserves right to increase or decrease the quantity based on final requirements.

2. PROCEDURE FOR SUBMISSION OF BIDS

- 2.1 Tender documents may be obtained from DGM Purchase (CMM), Admin Building, 4th Floor, BHEL, Ramachandrapuram, Hyderabad on payment of non-refundable document fee of Rs 5000/.
- 2.2 Tender documents may also be downloaded from www.bhel.com. Non-refundable document fee of Rs.5000/- shall be paid along with the offer.
- 2.3 Mode of payment: Cash deposit made at cash office, BHEL, Ramachandrapuram, Hyderabad or as Demand Draft from any nationalized bank / scheduled bank, drawn in favour of **M/s Bharat Heavy Electricals Limited, Ramachandrapuram**, Payable at Hyderabad.
- 2.4 The Techno-Commercial bid and Price Bid shall be submitted on or before 14:00 Hrs of the due date indicated in the tender notice.
- 2.5 Offer shall be made in three parts in separate envelopes, as specified below.

Part-I: Documentation Fee

This part to verify the receipt of Documentation fee. The following document shall be submitted in a separate envelope:

- a. Demand Draft or cash receipt / copy of cash receipt for Rs 5,000/ towards Document fee.

Please Note: Part-II of bid will be opened, only if the Part-I is satisfactory.

Name:

Company Seal

Signature: with Date:

Part-II: Techno-Commercial Bid

This part shall consist of the following documents in a separate envelope:

- a. Technical offer by the bidder including literature/leaflets. The offer shall be only as per the format given in the Technical Specifications duly signed by Authorised signatory.
- b. The Scope, Terms and Conditions as per the format given in Annexure-II, duly signed by Authorised signatory.
- c. The General Terms and Conditions as given in Annexure-IV , duly signed by Authorised signatory.
- d. Authorisation Letter from the OEM duly signed by Authorised signatory.
- e. Price Bid without price/values as per Annexure-III duly signed by Authorised signatory.
- f. Proof / record of Bidder's experience and / or qualifications as requested in FORM-D duly signed by Authorised signatory.
- g. All the other documents as mentioned in Checklist at point 10 of this document.

Part-III: Price Bid

This part shall consist of the following documents in a separate envelope:

- a. Price Bid as per the format defined in Annexure-III. The prices shall be quoted in Indian Rupees only.
- b. Price Bid shall not contain any technical details and / or Techno-Commercial terms and conditions.

3. MARKINGS ON THE ENVELOPE

3.1 The three part of the offer – Part-I, Part-II and Part-III – shall be submitted in separate envelopes with bidder's distinctive SEAL and super-scribed with the details given below:

PART-I: 1. Enquiry Number and Item Description for the Tender

2. Due Date for Opening of the Tender

3. "PART-I: DOCUMENTATION FEE"

PART-II: 1. Enquiry Number and Item Description for the Tender

2. Due Date for Opening of the Tender

3. "PART-II: TECHNO-COMMERCIAL BID"

PART-III: 1. Enquiry Number and Item Description for the Tender

2. Due Date for Opening of the Tender

3. "PART-III: PRICE BID"

Note: Un-sealed envelopes and envelopes not super-scribed as above will be liable to be rejected.

Name:

Company Seal

Signature: with Date:

4. BID SUBMISSION

4.1 Bids shall be addressed to the BHEL official inviting Bids by name and designation and sent to the following address on or before the tender due date:

Dy. General Manager, Purchase (CMM),
Admin Building, 4th Floor,
BHEL, RAMACHANDRAPURAM,
HYDERABAD – 502032.

Bids can also be dropped in tender box provided in purchase department on or before the tender due date. Bids can be submitted by post with due allowance for postal delay.

5. BID OPENING

5.1 PART-II (Techno-commercial bid) shall be opened on the due date and time as specified in the Enquiry, for the bids that have satisfied the criteria in Part-I, in the presence of bidders who may like to attend. Part-III (Price Bid) shall be opened only for such offers, which have qualified for PART-II.

5.2 In case of Price Bid opening, date and time of Price Bid (Part-III) opening shall be intimated to the technically and commercially acceptable bidders only.

5.3 Not more than two representatives will be permitted to be present for the tender opening.

5.4 No correspondence shall be entertained from the bidders after the opening of Price Bid(s).

5.5 Standard pre-printed conditions of the bidders attached to the offer will not be considered and only those mentioned in the body of the offer will be considered.

5.6 Unsolicited bids shall not be entertained. Unsolicited revised Price Bids also, shall not be entertained at any stage of the tendering process.

5.7 No Literature, Pamphlets other than what is relevant for the offer shall be enclosed. All such enclosures shall be considered as unread and also will not be considered as part of the quotation.

5.8 Manufacturer's name, trade Mark or Patent No., if any, should be specified.

5.9 BHEL reserves the right to negotiate the tender. Purchaser/Lessee reserves the right to negotiate the tender, if required.

6. VALIDITY OF OFFER

6.1 The offer shall have a minimum validity period of 180 days from Due Date for Tender Opening.

7. LANGUAGE AND CORRECTIONS

7.1 The offer shall be in English only international numerals shall be used.

Name:

Company Seal

Signature: with Date:

8. ALTERATIONS, REJECTION OF BID AND OTHER CONDITIONS

- 8.1 BHEL reserves the right to accept or reject the technical offer at any stage of the tender with proper reasons.
- 8.2 Any format not properly filled, partially filled or not filled will make the bid liable for rejection. Bidders are requested to note that all columns, rows and spaces provided to fill up the data must be filled with relevant data without fail. In case any bidder fails to do so or fills up irrelevant data, BHEL is not bound to seek clarifications on such items and will be free to reject the tender summarily.
- 8.3 If required BHEL is entitled to ask for any equipment for evaluation and all bidders are requested to note that they shall provide equipment exactly as per specification without any charge and precondition(s) to BHEL within 72 hours of receiving such notice. Upon completion of such evaluation BHEL shall return the equipment to the bidder.
- 8.4 Equipment offered must have current certifications as detailed in relevant sections. Future expectations of certification, conditional certifications, variation in certification and certification for equipment different from the make and model offered in the bid is not acceptable.
- 8.5 No change in specifications, clauses of contract, Terms and Conditions etc shall be entertained by BHEL under any circumstances.
- 8.6 Any clarification pertaining to this tender can be obtained from Dy. General Manager, Purchase(CMM), BHEL, R.C.Puram, Hyderabad on all working days of BHEL between 14:00 Hrs to 16:00 Hrs. Bidders are requested to seek appointment on telephone no. 040-23184562/23182052, prior to visiting BHEL for seeking such clarifications.
- 8.7 Late bids are liable to be rejected.
- 8.8 The offer is liable to be rejected, if it is found after the Price Bid Opening that the Checklist of Price Bid submitted by the bidder, as a part of Part-II offer, is different from the Price Bid.
- 8.9 If the bidder deliberately gives wrong information in his bid, Purchaser/Lessee reserves the right to reject such a bid at any stage or to cancel the Order/Contract.
- 8.10 If the Prices/Rates of one or more of the enquired equipments have not been quoted, the offer is liable to be rejected.
- 8.11 Non-compliance with any of the requirements and instructions of the Tender Enquiry may result in the rejection of the bid.

9. TENDER EVALUATION

- 9.1 The offer should be both for (i) outright purchase as well as for (ii) 5 year lease cum rental basis. BHEL reserves the right to opt for either of it.
- 9.2 Prices of optional items, if any, shall not be considered for Price evaluation and comparison, unless stated otherwise
- 9.3 Order/contract or any part thereof shall not be sub-contracted, assigned or otherwise transferred without prior written consent of the Purchaser/Lessee.

Name:

Company Seal

Signature: with Date:

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10. CHECKLIST OF FORMATS

(TO BE ATTACHED WITH TECHNO-COMMERCIAL BID (PART II) DULY FILLED BY THE BIDDER)

S No.	Annexure to be attached	Format attached as per FORM /Annexure	Whether Attached (Yes / No)
1	Technical Specifications	Annexure-I	Yes/No
2	Authorization letter from OEMs	FORM-A	Yes / No
3	No Deviation Certificate	FORM-B	Yes / No
4	Annual Financial Statement of Bidder	FORM-C	Yes / No
5	Details of major Executed projects with Order copies.	FORM-D	Yes / No
6	Draft Lease agreement	FORM-E	Yes/No
7	Scope, Terms & Conditions	Annexure-II	Yes/No
8	Price format without prices, indicating the % of Statutory Levies / Taxes	Annexure III	Yes / No
9	General Terms and Conditions	Annexure IV	Yes/No

FORM-A

Name:

Company Seal

Signature: with Date:

“LETTER OF AUTHORITY”

Date: _____

To,

Subject: **Letter of Authority**

Tender Ref. No.: _____ **dated** _____

Dear Sir,

We hereby authorize _____ who will fulfill the requirements of the tender enquiry ref. no. _____, dated _____ to quote/ negotiate and service the equipment as required in the above tender enquiry.

This authorization is valid for the following equipment for which we are the OEM:

Our Spares Logistic centers in India are at the following locations:

The authorized agency would ensure reliable service during complete lease period. In case

of any default alternative arrangement would be done by us on the same terms and conditions as negotiated and finalized in this tender enquiry.

(Authorized Signatory)

For _____

Place:

Date:

Note: This ‘Letter of Authority’ should be issued on the letterhead of OEM and enclosed in Part-II.

Name:

Company Seal

Signature: with Date:

NO DEVIATION CERTIFICATE

This is to certify that our offer is exactly in line with your tender enquiry
no. _____ **dated** _____.

This is to expressly certify that our offer contains **no deviation** either Technical or
Commercial in either direct or indirect form.

Signed By:

Name: _____

Designation: _____

Organization: _____

Date & Place: _____

Phone/Fax/Mobile/Email: _____

Stamp & Seal: _____

Place:

Date:

Name:

Company Seal

Signature: with Date:

FINANCIAL STATEMENT OF BIDDER

S.No.	Financial Year	Turnover (In Rs. Crores)	Net Profit
1	2004-2005		
2	2005-2006		
3	2006-2007		

Place:

Signature with seal

Date:

Name:

Company Seal

Signature: with Date:

DETAILS OF ORDERS EXECUTED**(As per Qualification Criteria)**

S.No.	Organisation Name & Contact Person details	Type of equipment supplied	Details of System
1			
2			
3			

Place:

Signature with seal

Date:

Name:

Company Seal

Signature: with Date:

Contract Ref:

Agreement for LEASE RENTAL AND MAINTENANCE

This agreement made on this _____ day of _____ 2006 between M/s -----, incorporated under Companies Act, 1956 and having its Registered office at ----- (hereinafter called the 'Company' which expression shall, unless it be repugnant to the context or meaning thereof, mean and include its successors and assignees) of the one part, and the BHARAT HEAVY ELECTRICALS LTD, Ramachandrapuram, Hyderabad – 500032, incorporated under the Companies Act, 1956 and having its Registered Office at BHEL House, Siri Fort, New Delhi (hereinafter called the 'BHEL' which expression shall, unless repugnant to the context or meaning thereof, mean and include its successors and assignees) of the other part.

Whereas 'Company' is in the business of manufacturing and/or selling and renting out equipment(s) and whereas the 'BHEL' has placed an order (No: -----) on Company for hiring CCTVSystem for a period of Five years as per the Lease Rental Contract (No: -----) and 'Company' has agreed to renting out the said equipment(s) to the 'BHEL' under the following terms and conditions.

Now, therefore, the agreement witnesseth as follows:

CONTRACT REFERENCE:

- 1.1 This Document shall be read along with the Lease Rental Contract '_____'. The Terms & Conditions of the Lease Rental Contract shall be fulfilled along with the clauses of this agreement.

2. SCOPE of CONTRACT (in Brief):

'Company' will design, supply, install, configure, test, commission and maintain the CCTVSystem on Five year lease rental basis in consideration of Lease Rental Payment as per Terms and Conditions of the Lease Rental Contract.

3. DEFINITIONS:

- 3.1 The following expressions herein used shall, unless repugnant to the subject or context thereof, carry the meaning hereunder respectively assigned to them namely
- 'CONTRACT' means the Lease Rental Contract referred in the Clause 1.0.
- 'EQUIPMENT' shall mean all the equipment supplied against the 'CONTRACT'.

Name:

Company Seal

Signature: with Date:

'DATE OF INSTALLATION' shall mean the date given in the certificate of acceptance by 'BHEL' after the equipment is installed, commissioned & acceptance testing as per Terms & Conditions of the 'CONTRACT'.

'QUARTERLY LEASE RENTAL' means Lease Rental Payment for Three months and payable after completion of the quarter.

'TERMINAL PAYMENT' means the one time fixed charges as specified in 'CONTRACT', be paid by 'BHEL' at the end of the Lease Rental Contract.

Upon the payment of 'Terminal Payment', the ownership of the entire equipment is transferred to 'BHEL' and 'Company' has no right on the Equipment.

'On site facilities' shall mean suitable dust free accommodation at 'BHEL' premises to house the equipments with power connection, air-conditioning, as required.

4. Equipment Supply, Installation, Acceptance Test, etc.:

4.1 'Company' will furnish relevant test certificates, certificate of newness of equipment and any other statutory documents for the all the equipment.

4.2 'Company' will furnish relevant test certificates, certificate of newness of equipment and any other statutory documents for the all the equipment.

4.3 'BHEL' shall at its own cost, provide onsite facilities for the equipment.

4.4 'Company' shall arrange for all statutory clearances at its own cost for executing the contract.

5. MAINTENANCE:

5.1 Maintenance service will cover services, repairs and replacements necessary to keep the equipments in good working order on reasonable use of the equipments during the lease period. Periodic maintenance check should be carried out to keep the equipments in good working conditions. Maintenance will include all plastic and/or rubber parts, existing/New UPS, UPS batteries, etc. Batteries of all UPS are to be replaced in the last quarter of the lease contract.

5.2 The 'Company' will station Four qualified and experienced Engineers (OEM Certified) at BHEL site during contract period, for upkeep and maintenance of the system. These engineers shall be available on-site between 7.30 AM to 4.30 PM during all working days of BHEL, Ramachandrapuram and shall be available on call basis round the clock, to meet any exigency. One person for

Name:

Company Seal

Signature: with Date:

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each shift shall be available in two shifts i.e 6:45 Hrs to 15:15 Hrs and 15:00 Hrs to 22:00 Hrs

- 5.3 'Company' will maintain the required spares to maintain the contractual uptime for the system.
- 5.4 'Company' shall arrange a system for registration, monitoring and redress of all system complaints during the contract period.
- 5.5 'Company' will provide 24x7 support for the entire system.
- 5.6 The Company's maintenance service obligations shall be subject to force-majure, which shall include circumstances beyond the reasonable control of the Company.

6. PERFORMANCE GUARANTEE & DOWNTIME CALCULATION:

- 6.1 'Company' will guarantee Uptime of 99% for the system on monthly basis. Any down time beyond 1% will result in the reduction of lease rentals on Pro rata basis.
- 6.2 'Company' shall arrange a system for registration, monitoring and redress of all system complaints during the contract period.

6.3 DOWNTIME CALCULATION FOR THE SYSTEM

'Bidder shall be responsible for maintaining a minimum uptime of 99% for the entire system on monthly basis. Any down downtime above 1% will be subject deduction of lease rentals on following basis.

The downtime will be calculated on hourly basis per month on 24 hours basis. At the end of the contract period if any equipment is found down, final payment for the contract will be made only after system is made up.

Downtime calculation will be applicable for non-availability for more than 2 hours at each location of readers, Server, UPS etc.

The downtime deduction will be on the prorata basis of the original cost of the equipment.

- 1. For server, the cost of server will be considered.
- 2. For biometric reader, the cost of biometric reader will be considered.
- 3. For UPS, the cost of UPS and batteries will be considered.

Note:

If the uptime for equipment falls below 99% continuously for 1 month, the equipment shall have to be replaced by the Bidder, without any extra charge.

Name:

Company Seal

Signature: with Date:

7. TRAINING:

7.1 Training of 'BHEL' personnel shall be part of the contract.

During installation at 'BHEL', 'Company' will guide the associated 'BHEL' coordinators on the system.

8. LEASE RENTALS & TERMINAL CHARGES:

8.1 The Lease Rental is inclusive of the following during the lease period and shall remain FIRM without any variation till completion of the lease contract:

Freight, handling and packing charges, transit insurance, installation.

On-site comprehensive maintenance

On site comprehensive Insurance covering total scope of supply and man power.

Spares & Software/Firmware Updates

All taxes & Duties

8.2 Comprehensive maintenance shall include the following:

Replacement of faulty equipment

Installation charges

Site inspection charges

Cost of Maintenance Engineers

Lease tax/right to use tax / any other statutory levies including service tax.

8.3 On-site Comprehensive insurance covering total scope of supply and man power during the currency of the contract. The beneficiary of the Insurance should be BHEL

8.4 'QUARTERLY LEASE RENTAL' payment shall commence from the 'Date of installation'. Quarterly Lease Rental shall be payable to 'Company' after the successful completion of the quarter.

8.5 The Lease Rentals payable under this Agreement during the Lease period shall be paid by 'BHEL' to financing Agency. The Lease Rental shall be paid through an Account Payee cheque favoring '_____' (Financing Agency). The 'Company' shall submit a discharge certificate and indemnity bond to 'BHEL' for the lease rentals paid to the '_____' (Financing Agency) by 'BHEL'.

8.6 That these instructions at clause 4.2 are irrevocable. Any request from the 'Company' to change these instructions would come with the attached "No objection Certificate" from '_____' (Financing Agency).

Name:

Company Seal

Signature: with Date:

- 8.7 On payment of terminal charges, the ownership of entire system including all the equipment, spares & software will get transferred to 'BHEL' without any further payments. 'BHEL' reserves the right to take possession of the equipment by paying the terminal charges.

In case 'BHEL' decides to surrender the equipment after the expiry of the contract, 'Company' shall remove the equipment from BHEL premises at his own risk and cost after due permission from 'BHEL'.

9. TERMINATION and FORE-CLOSURE:

- 9.1 Termination: 'BHEL' reserves the right to terminate the order/contract, upon situations arising due to non-compliance of contract Terms & Conditions or non-performance of the equipment/system with downtime above 2% continuously for more than one month.

On termination of the 'Contract', no lease rent shall be payable to 'Company' or the 'Financing Agency' or any other party, for the remaining period from the date of Termination

In case of Termination of the 'Contract', 'Company' shall remove the equipment from BHEL premises at his own risk and cost after due permission from 'BHEL'.

- 9.2 Fore-closure: In case of fore-closure of the 'Contract' by 'BHEL' for reasons not attributable to 'Company', pro-rata compensation will be payable. Compensation will be equivalent to the basic price component for the remaining quarters of the lease period and the ownership of the equipment will be transferred to 'BHEL'.

10. ANNUAL MAINTENANCE after Lease Period:

- 10.1 'Company' will extend Annual Maintenance Contract at the rates given the 'CONTRACT', subsequent to the lease rental period.

11. PATENTS, TRADEMARKS and INDEMNITY:

- 11.1 'Company' will at all times indemnify and keep indemnified 'BHEL' against all claims which may be made in respect of the Equipment/System/Software/Services supplied/rendered by 'Company', for infringement of any right protected by patent, registration of designs or trade marks and legality of the Software.

All such claims in this regard will be settled as per Indian Laws.

In the event of any such claims being made against 'BHEL', 'BHEL' will inform 'Company' and 'Company' shall either settle any such dispute or conduct any litigation that may arise there from at its own cost.

Name:

Company Seal

Signature: with Date:

12. INSURANCE:

- 12.1 'Company' will provide Comprehensive insurance cover for all Equipment during the currency of the 'Contract'. Insurance for the complete Systems/Goods shall be arranged by 'Company' at his own risk and cost throughout the period 'Contract.' 'Company' will submit Evidence of insurance policy 'BHEL'.

13. CONFIDENTIALITY:

- 13.1 'Company' and its representatives shall, at all times, maintain complete confidentiality of all data, information, software, drawings & documents, etc. belonging to 'BHEL' and also of the Systems, procedures, reports, input documents, manuals, results and any other documents discussed and/or finalized during the course of execution of the 'Contract'.

14. ARBITRATION:

- 14.1 In all cases of disputes emanating from and in references to this agreement the matter shall be referred to the sole arbitration of the Executive Director / GM of BHEL, Hyderabad or any other person (including an employee of BHEL, even though he had to deal with the matter relating to this agreement in any manner) nominated by the said Executive Director / GM to act as sole arbitrator. The arbitration shall be under 'THE ARBITRATION AND CONCILIATION ACT OF 1996' and the rules there under. The arbitrator may from time to time with the consent of the parties enlarge the time for making and publishing the award. The decision of the sole arbitrator is binding on both the parties.

15. JURISDICTION & GOVERNING LAWS:

- 15.1 In case of any suit or other legal proceedings arising under this contract the courts at Sangareddy (Medak Dist) A.P. only shall have the jurisdiction. This contract will be governed in all respects by India Laws.
- 15.2 This agreement and any amendments thereto shall be valid and binding upon 'Company' only if signed by the Authorized signatories of both 'BHEL' and 'Company'.

16. ENTIRE CONTRACT:

- 16.1 The Lease Rental Contract, No. _____ forms part of this Agreement along with the references mentioned therein.

Name:

Company Seal

Signature: with Date:

16.2 This agreement and any amendments thereto shall be valid and binding upon 'Company' only if signed by the Authorised signatories of both 'BHEL' and 'Company'.

IN WITNESS WHEREOF, 'BHEL' has caused this agreement to be signed at Hyderabad, the day and year first above written, while 'Company' has caused this agreement to be signed at Hyderabad through its Authorised Signatory - under their stamp who are the only constituted attorneys for this purpose, the day and year indicated below against the execution on its behalf.

SIGNED & DELIVERED FOR & on behalf of the above named 'BHEL' by

Shri

its

at Hyderabad this the day of , 2006

SIGNED & DELIVERED FOR & on behalf of the above named 'Company' by

its Authorized Representative

at Hyderabad this the day of , 2007

Name:

Company Seal

Signature: with Date:

ANNEXURE - V

DETAILS OF CAMERAS

A. The number / type of cameras for each of the gates are as below:

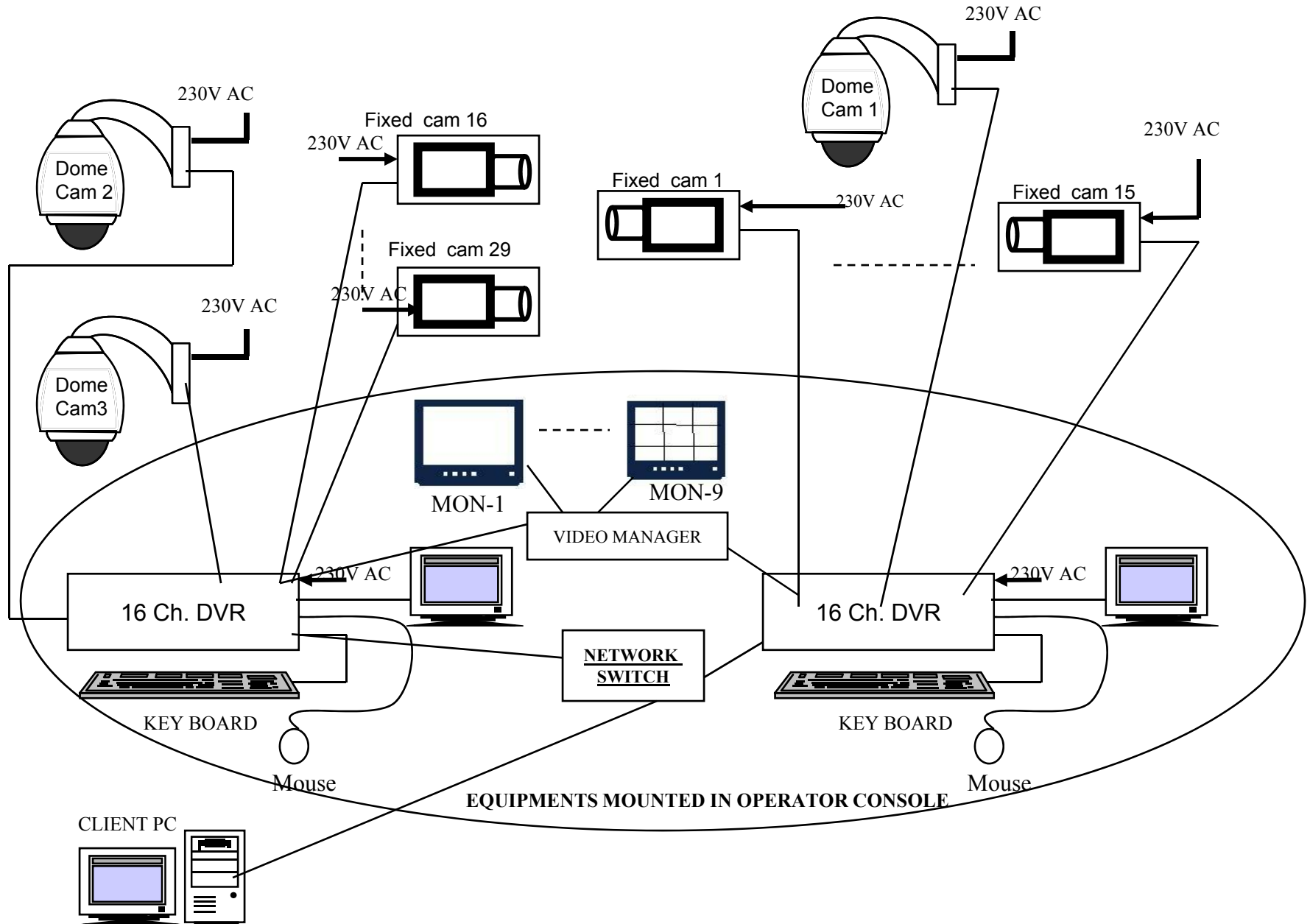
SL	GATE	Fixed camera with varifocal lens	Outdoor P/T/Z Camera with 25 X optical Zoom	Sub Total
1	Switch gear	2	0	2
2	J gate	5	1	6
3	Factory gate	7	1	8
4	C gate	2	0	2
5	MIG gate	2	0	2
6	Admn 1	2	1	3
7	Admn 2	2	0	2
8	K Gate	2	0	2
9	Rail gate	1	0	1
10	Spare	4	0	4
	GRAND TOTAL	29	3	32

Name:

Company Seal

Signature: with Date:

PROPOSED BLOCK DIAGRAM FOR CCTV SYSTEM Annexure L



Price Bid for Supply, Installation and commissioning of CCTV system

Item No	Item Description (For supply & commissioning at BHEL Hyderabad)	Item Qty	Outright Purchase (including AMC upto 5 th year)					5 Year Finance Lease Option							AMC after 5 year lease period (specify % of outright price)
			Unit Price inclusive of Taxes & duties	Specify % of Tax & Duties	Warranty Period in no of years	AMC charges after Warranty Period including tax	Total Price including Taxes, Duties and AMC	Principle for total qty.	Interest value	Maintenance Charges	Lease / Service tax (%)	Lease / Service tax (Value)	Total 5 year Rental including Tax	Total Quarterly Rental including Tax	
		a	b	c	d	e	f=(axb)+(5-d)e	g	h	i	j	k	l=g+h+i+k	m= l/20	n
1	Camera - High Resolution color cameras alongwith suitable mounting system including civil works - Make BOSCH / ACTI / PELCO / ZICOM/ Honeywell	29 Nos													
2	Outdoor PTZ Cameras with 25Xoptical zoom with controller alongwith suitable mounting system including civil works Make : BOSCH / ACTI / PELCO	3 Nos													
3	16 channel DVR system (PC based) with software in CD form Make : BOSCH / ACTI / PELCO / ZICOM / Honeywell	2 Nos													
4	20.1" LCD Flat Panel display monitor Make : BOSCH / ACTI / PELCO / ZICOM / Honeywell / LG / Samsung	1 No													
5	21" color Video CRT monitor Make : BOSCH / ACTI / PELCO / ZICOM	9 Nos													
6	A suitable sheet metal control panel to house 8Nos. Of CRT Monitor and other Hardware	1 No													
7	PC Workstation Make : HP / IBM / DELL	1 No													
8	Remote client viewing software	1 No													
9	On-line UPS with 1Hour back-up with Maintenance free batteries :														
	a) 1KVA	9 Nos													

Price Bid for Supply, Installation and commissioning of CCTV system

	b) 5KVA	1 No																										
10	Video Manager / quad unit specifications as per Annexure-I Make : BOSCH / ACTI / PELCO / ZICOM / Honeywell (if not built in the system)	1 set																										
11	Cost of making a provision to view any of the 32 cameras on a PC in the office of Assitant Commandant / CISF located at J-Gate with password protection other than locating the monitors in the control room at Main gate. Supply of PC, any other harware and or / Software , network components / connectivity required, etc shall be in vendor's scope	1 set																										
12	Cost of accessories like repeaters, connectors, video amplifiers, patch leads, patch connectors, conduits, network components, sockets and any harware / software, necessary excavation works etc.	1 set																										
13	Supply & Laying of Fibre optic, Power & Control Cables. This includes excavation, suitable pipes across roads, laying of cables in suitable conduits and refilling excavated trench.	3700 Mtrs																										
14	Installation & commissioning charges	1 set																										
I	Delivery Period: FIRM 10 Weeks from	Accepted / Not accepted																										
II	BHEL Terms & Conditions	Accepted / Not accepted																										
III	Comprehensive Insurance Covered:	Accepted / Not accepted																										
IV	Price: FIRM inclusive of all Taxes,	Yes/No (indicate the % Taxes, Levies and Duties)																										
*	Out right purchase price	=	F.O.R Destination Cost + ED + CST																									
	F.O.R Destination Cost	=	Price Ex-works + Packing & Forwarding + Freight & Insurance																									
<u>Warranty period in case of outright purchase is 2 years from the date of commissioning.</u>																												
(Signature of Authorised Person with seal)																												