COMMUNITY CCTV PROJECT

PROCESS KIT

RELEASE: 2.0 – JUNE 2015

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DOCUMENT CONTROL

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1	New Document Created	1.0	2-Mar-2015	Published	
2	Rate Contract Products added – Cameras & Industrial Grade switches	2.0	13-Jun-2015	Published	

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1. INTRODUCTION

"The AP Public Safety (Measures) Enforcement Act, 2013 (Act 6 of 2013)" dated 18th Jan, 2013 and subsequent amended Act, 2014 dated 18th Feb, 2014 enacted by the Government of Telangana State for the installation of IP based CCTV Video Surveillance System in the vicinity of residential; commercial establishments; institutions; temples and other public places by the community from time to time in a specific Police Station jurisdiction. It is intended that an effectively installed and managed system would help to crime prevention and detection, anti-social behavior to safe guard the safety and security of areas in general and citizens in particular. By virtue of Act, every community group should adhere to the scope defined in the act for implementation of CCTV system in their respective areas. It is estimated that more than a lakh of cameras would be installed by the community covering the entire city over a period of time. This enables the requirement of many system integrators for the implementation of CCTV system in every part of the city therefore; the need of empaneling the qualified system integrators arises. The Rate Contract for CCTV System would help the community in transparency and uniformity on the cost of the system.

2. OBJECTIVE

The objective of the empanelment is multi-fold that helps the community and society at large. At the outset of the "The AP Public Safety (Measures) Enforcement Act, 2013", the community or group of individuals are responsible to invest in IP based CCTV Surveillance System to protect their neighborhood as part of their own safety and security. It is a massive project to cover the entire Hyderabad City that covers Hyderabad Police and Cyberabad Police Commissionerate jurisdictions. Since, the community invest in this project, it is also the responsibility of Hyderabad City Police not only to protect their investments but also ensure the system sustenance for a longer period to reap its benefits for the society at large.

3. APPROACH

Due to its colossal, it is imperative to have a standard process adopted to roll out the city-wide Community CCTV Project deployments by each community and sustain for a longer period. As part of this initiative, on behalf of the Community, Hyderabad City Police department has initiated a process of empanelment of CCTV System Integrators and Rate Contract of equipment to standardize the technical specifications, system cost, and deployment methodology. An open bid process was adopted by inviting the qualified system integrators for the project through stringent evaluation of organization and technology capabilities. The finalization of CCTV System equipment was done through various scenarios of technical demos by system integrators. The rate contract of the equipment was finalized through series of price negotiations with a 5-year comprehensive warranty terms. The system integrators are allocated to the police stations jurisdictions based on their organizational capabilities and equipment rate contract. It has been ensured that each police station jurisdiction shall have at least four (4) system integrators are allocated to have wide options for the community for better price negotiations.

4. EMPANELMENT AND RATE CONTRACT

The empaneled system integrators and rate contract of product and equipment was executed for the deployment of the system. The empanelment process kit with complete information shall be published on police websites from time to time with release versions. To access to the process kit at www.hyderabadpolice.gov.in and www.cyberabadpolice.gov.in

5. GUIDELINES TO COMMUNITY

The following are the guidelines to the community while forming the community group and during CCTV System deployment process. The community should ensure that

- A formal community in own locality/area (termed as "neighborhood") is formed with a single objective of ensuring the safety and security by deploying the CCTV System
- All system integrators who are allocated to respective police station jurisdictions are invited to submit a quote based on the camera location survey done by the police. The community should check the following parameters on the submitted quote
    - The equipment listed in the submitted quote should be same as per the rate contract.
    - The equipment base rates should not be higher than the published rates in the rate contract.
    - The equipment listed is categorized as per AMC & Non-AMC so that Yearly warranty of 6.67% is applied on the AMC Total Amount.
    - The cost of installation and commissioning should be between 8% and 15% on total quote amount (AMC & Non-AMC amounts). These costs are charged extra for laying of data & electrical cable; erecting poles where applicable; civil, mechanical & electrical labor work; installation and commissioning charges etc.,. However, in case of any specific environment conditions, this cost may vary only on case-on-case basis.
    - The sales tax % rates are applied for the AMC & Non-AMC material as 5%; the service tax % rates on Installation & Commissioning charges as 14%. The tax % are based on the prevailing government norms and charged extra.
    - The community has an opportunity to negotiate further down on the quote as the rate contract with system integrators were fixed only upper limit. The community has right to negotiate further down and finalize the system integrator based on their lowest quote to award the project.
    - The milestone payments are defined and negotiated as part of payment terms.
    - A formal agreement shall be made with the selected system integrator whom the project is awarded.
- The payments are made based on the milestone payment terms subject to achieving the milestone conditions. The final payment should be purely based on the completion of the system verified and certified by the police personnel. The indicative payment milestones subject to terms negotiated by Community group and System integrator are:
    - Milestone-1 = xx% of Total Amount (AMC and Non-AMC amounts) as an advance at the time of purchase order release.
    - Milestone-2 = xx% after complete material received (as per Purchase Order)
    - Milestone-3 = Balance amount after verified & certified the complete system scope by the police personnel.
- The AMC amount of 6.67% as defined above is committed to pay the system integrator at the end of each year for 5-year term.

NOTE: The above milestones are indicative; the community at their discretion may negotiate directly with the selected system integrator on number of milestone payment terms.

6. PROCESS KIT

The following are the documents published on the police websites as defined above for ready reference. The community should make sure that these documents are referred and followed prior to engaging the system integrators for deployment.

6.1. SYSTEM INTEGRATOR POLICE STATIONS ALLOCATIONS

The empaneled system integrators are allocated their boundaries within Hyderabad and Cyberabad Police jurisdictions to provide their services in installation, commissioning and deploying the CCTV solutions. The details are provided in the process kit, Refer to the section:

- **COMMUNITY CCTV PROJECT – SI BOUNDARY ALLOCATION – RELEASE 2.0 – JUN-15.**

6.2. SYSTEM INTEGRATORS CONTACT DETAILS

The system integrators contact details are provided in the process kit. Refer to the section:

- **COMMUNITY CCTV PROJECT – SYSTEM INTEGRATORS CONTACT DETAILS – RELEASE 2.0 – JUN-15.**

6.3. PURCHASE QUOTATION TEMPLATE

The system integrator shall provide the purchase quotation in the predefined format. Refer to the section:

- **COMMUNITY CCTV PROJECT – PURCHASE QUOTATION TEMPLATE – RELEASE 2.0.1 JUN-15.**

6.4. PURCHASE ORDER TEMPLATE

The community shall release the order to the system integrator in the predefined format. Refer to the section:

- **COMMUNITY CCTV PROJECT – PURCHASE ORDER TEMPLATE – RELEASE 2.0.1 JUN-15.**

6.5. CCTV EQUIPMENT RATE CONTRACT

The empaneled system integrators and their product & equipment rate contract are provided in the process kit. Refer to the section:

- **COMMUNITY CCTV PROJECT – SYSTEM INTEGRATORS PRODUCT RATE CONTRACT – RELEASE 2.0 JUN-15.**

6.6. EQUIPMENT DETAILED TECHNICAL SPECIFICATIONS

The technical specification details are provided for each of the equipment in the process kit section for ready reference. Refer to the section:

- **COMMUNITY CCTV PROJECT – DETAILED TECHNICAL SPECS – RELEASE 1.0 MAR-15.**

7. PROCESS FLOWS

The following are the processes defined to define and execute the process by adopting various steps for deployment of the system and its sustenance. Refer to the sections in the process kit as defined in the table:

#	Process Step	Process Description	Process Reference
1	Overview	Provides the overview of the entire process steps involved	Community CCTV Project Process – Overview – Release 1.0 Mar-15
2	Community Formation	Steps involved in forming the community groups	Community CCTV Project Process – CF1.0 – Release 1.0 Mar-15
3	Order Management	Steps involved in camera location survey till purchase order release	Community CCTV Project Process – OM2.0 – Release 1.0 Mar-15
4	Order Fulfillment	Steps involved in receipt of material till issue of material	Community CCTV Project Process – OF3.0 – Release 1.0 Mar-15
5	Installation & Commissioning	Steps involved from the issuance of material till installation, commissioning and testing by the system integrator	Community CCTV Project Process – IC41.0 – Release 1.0 Mar-15
6	Acceptance Test	Steps involved in Acceptance of complete system by the stakeholders include Community, and Police Personnel; resolution of issues by the system integrator	Community CCTV Project Process – AT5.0 – Release 1.0 Mar-15
7	CARSI Chart	Providing the responsibility chart for each process step mapping to the stakeholders	Community CCTV Project Process – CARSI Chart – Release 1.0 Mar-15

8. COMMUNITY CCTV COMMITTEE CONTACT DETAILS

The following are the contact details for any queries or clarifications on the Community CCTV Project issues; queries; clarifications; or any related topics.

cctvhelp@hyd.tspolice.gov.in
hydts.cctvhelp@gmail.com

COMMUNITY CCTV PROJECT

EMPANELLED SYSTEM INTEGRATORS - ALLOCATION OF BOUNDARIES

RELEASE 2.0 - JUNE 2015

COMMISSIONERATE	ZONE	COMPANY NAME	SHORT NAME	REMARKS
HYDERABAD	All Zones	Aegis Automation India Pvt Ltd.,	Aegis	
	All Zones	Arya Comnet Smart City Pvt Ltd.,	Arya	
	All Zones	Verticle Technologies Pvt Ltd	Verticle	
	DCP North	RGP Electronics India Pvt Ltd	RGP	Allowed to participate in Community CCTV Project only in their alloted specific zone along with other System integrators alloted in all Zones
	DCP West	RGP Electronics India Pvt Ltd	RGP	
	DCP Central	Matrix Security & Surveillance Pvt Ltd	Matrix	
	DCP South	Trinetra Vision System (Involuate)	Trinetra	
	DCP East	Microvillage Communications Pvt Ltd	MicroVillage	
CYBERABAD	All Zones	Aegis Automation India Pvt Ltd.,	Aegis	
	All Zones	Eternal & Navayuga	Eternal	
	All Zones	DRS Pledge	DRS	
	All Zones	Pedvak SCSS	Pedvak	
	Balanagar Zone	RGP Electronics India Pvt Ltd.,	RGP	Allowed to participate in Community CCTV Project only in their alloted specific zone along with other System integrators alloted in all Zones
	Balanagar Zone	Trinetra Vision System (Involuate)	Trinetra	
	Malkajgiri Zone	Microvillage Communications Pvt Ltd	MicroVillage	
	Madhapur Zone	Totem International Ltd.,	Totem	
	Madhapur Zone	Matrix Security & Surveillance Pvt Ltd.,	Matrix	
	Shamshabad	Matrix Security & Surveillance Pvt Ltd.,	Matrix	
	LB Nagar	Totem International Ltd.,	Totem	

COMMUNITY CCTV PROJECT

CONTACT DETAILS OF EMPANELLED SYSTEM INTEGRATORS

RELEASE : 2.0 - JUNE 2015

#	COMPANY NAME	SL	CONTACT PERSON	DESIGNATION	ADDRESS	CONTACT NOS	MOBILE NO	EMAIL ID	WEBSITE
1	Aegis Automation India Pvt. Ltd.	Mr.	B Sai Anand Prasad	Director	#74 & 96, Street No. 2, Sri SatyaSai Enclave, Secunderabad-500 009	Toll Free: 1-800-2000-360 Tel: +91-40-30125000	9391018248	info@aegisautomation.com	www.aegisautomation.com
2	Arya Comnet	Mr.	Rajnikanth	Head Operations	Flat No. G-9, 4B Type, Bharani Complex, Minister Road, Secunderabad - 500003	Tel: +91-40-66338266	9849998287	sales@aryacomnetcctv.com	www.aryacomnetcctv.com
3	DRS Networks & Surveillance solutions Pvt. Ltd.	Mr.	SJ Bharth	Vice President	Plot No. A122, Journalist Colony, Jubilee Hills, Hyderabad	Tel: +91-40-23544548	9949853207	sales@drsinternet.com	www.drsinternet.com
4	Involute Automation Pvt. Ltd.	Mr.	M.Narasimha Rao	Director	D3, Phase-4 Extn, IDA, Jeedimetla, Hyderabad - 500 055	Tel: +91-40-23090058 +91-40-23090020	9391153264	mnr@involuteautomation.com mnmr.73@gmail.com	www.involuteautomoation.com
5	Matrix Security & Surveillance Pvt Ltd.	Mr.	J.Devid Raj	Director	#8-2-293/82/J/119-A, Journalist Colony, Phase-II, Jubilee Hills, Hyderabad - 500 033	Tel: +91-40-23553385	9849993995	info@matsecurity.in	www.matsecurity.in
6	Microvillage Communiations Pvt. Ltd.	Mr.	Balagangadhar Tilak	Area Sales Manager	Flat No. 202, Deccan Corner, #12, Raghava Colony, Diamond Point Circle, Sikh Village, Secunderabad - 500 009	Tel: +91-40-27847814	9959653025	hcpc.cctv@microvillage.in	www.microvillage.com
7	Navayuga Spatial Technologies Pvt. Ltd.	Mr.	Sandeep Reddy	Director	# 8-2-608/40, GK Colony, Road No. 10, Banjara Hills, Hyderabad - 500 034	Tel: +91-40-65306060	9666196661	sandeep@eternalcg.com anand@eternalcg.com	www.navayugaspatial.com www.eternalcg.com
8	Pedvak Cranes Pvt.Ltd.	Mr.	K.Dileep	Manager Operations	Plot No. 15 & 19, Phase-II, Near CIPET, IDA Cherlapally, Hyderabad	Tel: +91-40-27260999	9676646666	dileep@pedvak.com	www.pedvak.com
9	RGP Electronics India	Mr.	Gopala Krishna Saranga	Director	# 7-1-621/288/4, Flat No. 301 & 302, Rama Krishna Nivas, SR Nagar, Hyderabad	Tel: +91-40-66625149 +91-40-23814116	9849543312	gksaranga@rgpelectronics.com	www.rgpelectronics.com
10	Totem International Ltd.	Mr.	Firoze Zia Hussain	CEO	Flat No. 201, Venkat Mansion, SBH Colony, Srinagar Colony Post, Hyderabad	Tel: +91-40-23732122 +91-40-23736120	9618621234	firoze@totemint.com	www.totemint.com
11	Verticle Technologies Pvt. Ltd.	Mr.	P.Umesh Kumar	General Manager	# 6-3-663/6/1/B, Jaffar Ali Bagh, Rajbhavan Road, Somajiguda, Hyderabad - 500082	Tel: +91-40-55562873	9391000292	sales@verticletech.com	www.Verticletech.com

<On Letter Head where applicable - Release 2.0.1 Jun-15)

PURCHASE ORDER

Vendee(s) Particulars (Buyer)	<Vendee Name(s)>	Community Shipping Address	<Shipping Address1>	PO NO	
	<Vendee Billing Address1>		<Shipping Address2>	PO Date	
	<Vendee Billing Address2>		<Shipping Address3>	Quote No	
Vendor Particulars (Supplier)	<Vendor Company Name>	Vendor Kind Attn		Quote Dt	
	<Vendor Billing Address2>	Vendor Mobile No.		Fax No.	
	<Vendor Billing Address2>	Delivery Date			

#	Item Code	Item Description	Make	Model No	Unit	Rate	Qty	Item Amount (A)	Tax %	Tax Amount (B)	Total Amount (A+B)
A	PART A - WARRANTY (AMC) ITEMS - MATERIAL										
1						-	-	-	5%	-	-
2						-	-	-	5%	-	-
3						-	-	-	5%	-	-
4						-	-	-	5%	-	-
5						-	-	-	5%	-	-
6						-	-	-	5%	-	-
						-	-	-	5%	-	-
	PART A - WARRANTY (AMC) MATERIAL TOTAL (INR)							-		-	-
	PART B - NON-WARRANTY ITEMS - MATERIAL										
1						-	-	-	5%	-	-
2						-	-	-	5%	-	-
3						-	-	-	5%	-	-
4						-	-	-	5%	-	-
5						-	-	-	5%	-	-
6						-	-	-	5%	-	-
	PART B - NON-WARRANTY MATERIAL TOTAL (INR)							-		-	-
	PART C - MATERIAL GRAND TOTAL (INR)							-		-	-
	* PART D - Installation & Commissioning Charges (Lumpsum) on Material Grand Total				Lumpsum	0%	1.00	-	14%	-	-
	PART E - MATERIAL & I & C - GRAND TOTAL (PART C + PART D)									-	-

NOTES: 1 As per Government prevailing rates

AMC Acount at the end of First Year	14%	-	-
AMC Acount at the end of Second Year[1]	14%	-	-
AMC Acount at the end of Third Year[1]	14%	-	-
AMC Acount at the end of Fourth Year[1]	14%	-	-
AMC Acount at the end of Fifth Year[1]	14%	-	-
Total AMC Amount for 5 years			-

PURCHASE ORDER

Vendee(s) Particulars (Buyer)	<Vendee Name(s)>	**Community Shipping Address**	<Shipping Address1>	**PO NO**	
	<Vendee Billing Address1>		<Shipping Address2>	**PO Date**	
	<Vendee Billing Address2>		<Shipping Address3>	**Quote No**	
Vendor Particulars (Supplier)	<Vendor Company Name>	**Vendor Kind Attn**		**Quote Dt**	
	<Vendor Billing Address2>	**Vendor Mobile No.**		**Fax No.**	
	<Vendor Billing Address2>	**Delivery Date**			

I PAYMENT TERMS & CONDITIONS

Milestone Payment

Milestone-1	Advance Payment	##% at the time PO release on PART-C Total Amount
Milestone-2	Material Supplied Payment	##% at the time complete material received as per PO on PART-C Amount
Milestone-3	Balance Payment	Balance Payment after completing the installation and Acceptance by the Client
Milestone-4	Installation & Commissioning Charges	PART-D - Installation & Commissioning charges paid at the end of installation & acceptance by the client

Warranty Retention Amount	6.67% Warranty Retention Amount on PART-A PO Amount as part of 5-year Warranty be paid at the end of every warranty year subject to meeting the Performance SLAs by the vendor for 5 years. The AMC charges shall be paid by the Buyer within 15 days of completion of service each year. Any taxes if applicable will be borne by the Buyer
Warranty	All Warranty (PART-A) goods carry 5-year '- Comprhensive warranty from the Acceptance of CCTV system duly User Acceptance of the system completed; No extra charges shall be paid for any non-conformance, defective, or inferior quality issues during the period of warranty is covered subject to payment mentioned in AMC terms.
* PART-D I&C Charges	These charges inclusive of any civil, mechanical or electrical works; consumable items such as tapes; tags, adoptors etc.,; labor or any incidental charges. These charges are indicative between 8% and 12% of total Material (AMC & NonAMC) cost based on the site complexity.

II GENERAL TERMS & CONDTIONS

Goods Supply	Material is inclusive of all costs & taxes; no extra charges levied on the buyer. All shipments must be accompanied by a packing slip/delivery challan, which describes the item details, item quantity, PO Reference no and Shipping Address Deliveries shall be made in quantities and meeting the time schedules as per PO; buyer shall not be requirement to make payments for goods delivered to buyer in excess o quantities against PO and may reject any deliveries if not meeting the PO terms. Suppliers responsibility to deliver in good condition meeting the specifications, quntities, timelines as per PO terms Supplier warrants that all goods or services covered by this PO - i) Conform to the PO and free from defect. Buyer will be entitled to notify the Supplier of any shortes or damages within 15 days from the date on which the goods are delivered. Nonconforming or defective goods may be returned to the Supplier for full credit or replacement with new goods at the Supplier's risk and all expense. Buyer shall be entitled to inspect all Goods delivered by the Supplier pursuant to this PO or any Contract. the Goods shall be at the sole risk of the Suppliers and the property thereto shall remain in the Supplier custody. risk and property shall only pass to the Buyers upon acceptance of the goods. the risk of the property shall transfer back to the Supplier during the Installation & Commissioning until the acceptance of the system on completion.
Termination	Buyer may at any time in their absolute discretion terminate the PO or Contract in whole or in part by notice in writing and upon such termination, the Vendor shall cease all further work under the Contract and terminate all PO related thereto. Buyer shall pay to the vendor the Price under the PO for all work actually completed and the reasonable cost of all works atually incurred by the vendor in carrying the PO to the date of such termination provided such costs are directly attributed thereto.
PO Amendments	Buyer and Supplier mutually consent any amendments or changes to the PO or Contract for any changes or amendments thereto.
Insurance	Supplier shall, at its own expense, maintain, and carry insurance coverage of all supplies until the Buyer's Acceptance at User Acceptance test. This means, the Supplier supplied the material, installed, commissioned, and tested before offering for Acceptance Test to the Buyer. Any damages, lost, or for any reason Supplier's responsibility to replace the Goods, and no liability on the Buyer. When Accepted the system at the User Acceptance test, the liability transfers to Buyer.

Place:

Date:

Authorized Signatory
(Vendors Name & Seal)

Authorized Signatory
(Vendee(s) Name & Seal)

<Printed on Vendor Letter Head - Release 2.0.1 June-15>

PURCHASE QUOTATION

Vendee(s)	<Vendee Name>	Quote No.	
Particulars	<Vendee Address1>	Quote Date	
[Buyer(s)]	<Vendee Address2>	Quote Revision No	
Kind Attn:		Vendee Contact #	

#	Item Code	Item Description	Make	Model No	Unit	Rate	Qty	Item Amount (A)	Tax %	Tax Amount (B)	Total Amount (A+B)
A	PART-A : WARRANTY (AMC) ITEMS - MATERIAL										
1						-	-	-	5%	-	-
2						-	-	-	5%	-	-
3						-	-	-	5%	-	-
4						-	-	-	5%	-	-
5						-	-	-	5%	-	-
6						-	-	-	5%	-	-
						-	-	-	5%	-	-
	PART-A : WARRANTY (AMC) MATERIAL TOTAL (INR)							-		-	-
B	PART-B : NON-WARRANTY ITEMS - MATERIAL										
1						-	-	-	5%	-	-
2						-	-	-	5%	-	-
3						-	-	-	5%	-	-
4						-	-	-	5%	-	-
5						-	-	-	5%	-	-
6						-	-	-	5%	-	-
	PART-B : NON-WARRANTY MATERIAL TOTAL (INR)							-		-	-
C	PART-C : MATERIAL GRAND TOTAL (INR)							-		-	-
D		PART-D : Installation & Commissioning Charges (Lumpsum) on Material Grand Total				0%	1.00	-	14%	-	-
	PART-E : MATERIAL & I & C - GRAND TOTAL (PART-C + PART-D)									-	-

AMC Acount at the end of First Year	14%	-	-
AMC Acount at the end of Second Year[1]	14%	-	-
AMC Acount at the end of Third Year[1]	14%	-	-
AMC Acount at the end of Fourth Year[1]	14%	-	-
AMC Acount at the end of Fifth Year[1]	14%	-	-
Total AMC Amount for 5 years			-

NOTES: 1 As per Government prevailing rates

TERMS & CONDITIONS

Quote Validity	- Quote validity for 180 days
Advance Payment	- xx % (?) of Advance payment on Material Grand Total at the time of Purchase Order Release
Balance Payment	- xx % (?) of Balance payment within 10 days after completion of Installation & Commission and Acceptance of the CCTV System duly User Acceptance Testing done
Warranty	- All Warranty Goods carries 5-year Comprhensive warranty from the date of Acceptance of CCTV System duly User Acceptance Testing completed; No extra charges shall be paid for any non-conformance or defective or inferior quality issues during the period
Warranty Retention Amount	- 6.67% on PART-A Warranty (AMC) Material Cost shall be paid at the end of every warranty year subject to meeting the Performance SLAs by the vendor within 15 days after completion of warranty year
I & C Charges	- These charges inclusive of any civil, mechanical or electrical works; consumable items such as tapes; tags, adoptors etc.,; labor or any incidental charges. These charges are indicative between 8% and 12% of total Material (AMC & NonAMC) cost based on the site complexity.

Place :

Date :

(Name & Authorized Signatory)

COMMUNITY CCTV PROJECT

RATE CONTRACT OF COMMUNITY CCTV SYSTEM EQUIPMENT

RELEASE : 2.0 - JUNE-2015

RATE CONTRACT NEXT REVIEW DUE - SEPTEMBER-15

#	ITEM SPEC DETAILS [1]	ITEM DESCRIPTION	COMMUNITY CCTV COMMITTEE APPROVAL STATUS [2]	ITEM CATEGORY	Aegis Automation India P Ltd.,			Arya Comnet Smart City P Ltd.,		
					BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL
1	CAMF001	IP FIXED CAMERA WITH MOTORIZED VARIFOCAL; SD MEMORY SLOT	Approved where Model No. mentioned only	Camera	17,029	CP PLUS	CP-UNC-TP20ZL3CD-M	17,029	Octavision	OV-IP30CR81H3A8
2	CAMF002	IP FIXED CAMERA WITH MOTORIZED VARIFOCAL; WITHOUT SD MEMORY SLOT	Approved where Model No. mentioned only	Camera	17,028	CP PLUS	CP-UNC-TP20ZL3CD	17,028	Octavision	OV-IP30CR81H3A7
3	CAMF003	IP FIXED CAMERA WITH NORMAL VARIFOCAL BUT WITHOUT MOTORIZED VARIFOCAL AND SD MEMORY SLOT	Subject to Approval from Community CCTV Committee (case-on-case basis)	Camera	10,745	CP PLUS	CP-UNC-TP20FL3CD	10,696	Octavision	OV-IP30CR81H3A6
4	CAMP001	IP BASED DOME PTZ CAMERA WITH MEMORTY SLOT	Approved where Model No. mentioned only	Camera	67,797	CP PLUS	CP-UNP-3020SL10	67,819	Octavision	OVS-IP8S201V
5	CAMP002	IP BASED DOME PTZ CAMERA WITHOUT MEMORTY SLOT	Subject to Approval from Community CCTV Committee (case-on-case basis)	Camera	67,797	CP PLUS	CP-UNP-3020SL10	67,781	Octavision	OVS-IP8S200V
6	NR16001	16-CHANNEL NVR	Approved where Model No. mentioned only	NVR	40,589	CP PLUS	CP-UNR-416T8	40,589	Octavision	OVN-F4016G
7	NR8002	8-CHANNEL NVR	Approved where Model No. mentioned only	NVR	23,749	CP PLUS	CP-UNR-408T8	23,749	Octavision	OVN-F4008G
8	NR4003	4-CHANNEL NVR	Approved where Model No. mentioned only	NVR	8,405	CP PLUS	CP-UNR-0404T2	7,547	Octavision	OVN-E8004G
9		4-TB SURVEILLANCE HDD	Approved where Makes are mentioned only	HDD	8,325	Seagate	-	9,100	WD	WD-40PURX
10		32 GB MEMORY CARD - CLASS 10	Approved where Makes are mentioned only	MSD	794	Kingston	-	859	Sandisk	SDSDUNO32G
11	DSKA003	DESKTOP CPU	Approved where Model No. mentioned only	Desktop	52,248	DELL	-	51,544	HP	MP 600
12	MNTR001	LED MONITOR	Approved where Model No. mentioned only	LED	31,406	SAMSUNG	-	31,322	Samsung	40H5000
13	SWPE001	24 UTP PORT + 2 FIBER PORT SWITCH WITH POE AND MULTICAST SUPPORT	Approved where Model No. mentioned only	Switch	23,220	NETGEAR	GS728 TP	22,856	Digisol	DG-GS1526HPE
14	SWPE002	4 UTP PORT + 2 FIBER PORT SWITCH WITH POE AND MULTICAST SUPPORT	Approved where Model No. mentioned only	Switch	12,503	NETGEAR	GS110 TP	12,131	Digisol	DG-GS1510HPE
15	SWPE003	8 UTP PORT + 2 FIBER PORT SWITCH WITH POE AND MULTICAST SUPPORT	Approved where Model No. mentioned only	Switch	12,503	NETGEAR	GS110 TP	12,131	Digisol	DG-GS1510HPE
16	SWIG001	4-Port PoE Industrial Grade Switch with 4 UTP Ports and 2 Mini GBIC slot for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	26,333	NETGEAR	GS110 TP	25,856	NETGEAR	GS110 TP
17	SWIG002	8-Port PoE Industrial Grade Switch with 8 UTP Ports with 2 Mini GBIC slot for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	37,618	NETGEAR	GS110 TP	37,003	NETGEAR	GS110 TP

RATE CONTRACT OF COMMUNITY CCTV SYSTEM EQUIPMENT

RELEASE : 2.0 - JUNE-2015

RATE CONTRACT NEXT REVIEW DUE - SEPTEMBER-15

#	ITEM SPEC DETAILS [1]	ITEM DESCRIPTION	COMMUNITY CCTV COMMITTEE APPROVAL STATUS [2]	ITEM CATEGORY	Aegis Automation India P Ltd.,			Arya Comnet Smart City P Ltd.,		
					BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL
18	SWIG003	8-Port PoE Industrial Grade Switch with 8 UTP Ports and 4 Fiber combo Mini GBIC slot for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	37,618	NETGEAR	GS110 TP	37,003	NETGEAR	GS110 TP
19	SWIG004	4-Port UTP port Industrial Grade with for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	22,570	NETGEAR	GS108 T	22,200	NETGEAR	GS108 T
16		6U SIZE 19" INDUSTRIAL RACK ENCLOSURE	Approved where Makes are mentioned only	Rack	6,060	valrack	-	16,538	Val Rack	-
17		Cat6 UTP Cable	Approved where Makes are mentioned only	Cable	17	-	-	26	Finolex/Dlink	-
18		Single-mode 6 Core Fiber Cable	Approved where Makes are mentioned only	Cable	13	-	-	28	Finolex/Dlink	-
19		Fiber Patch Cable 1.5 m length	Approved where Makes are mentioned only	Cable	176	-	-	287	Digilink/digisc	-
20		Fiber Termination Box		Box	107	-	-	308	-	-
21		3C x 2.5 Sq. mm Flexible running thru HDD PVC conduits		Cable	8	-	-	59	-	-
22		3C x 2.5 Sq. mm Armoured Cable		Cable	53	-	-	103	-	-
23		6 mtr round pole with an option of 2 detachable cantilevers		Pole	3,075	-	-	9,375	-	-
24		Wall mount based cantiliver with base plate fixed as per site conditions		Pole	1,103	-	-	2,216	-	-
25		25MM **CPVC** Conduit	Approved where Makes are mentioned only	Pipe	29	-	-	105	Swasthik/Sudl	-
26		25MM **PVC** Conduit	Approved where Makes are mentioned only	Pipe	23	-	-	38	Swasthik/Sudl	-
27		25MM MS Conduit	Approved where Makes are mentioned only	Pipe	34	-	-	165	Jindal / Tata	-
28		25MM GI Conduit	Approved where Makes are mentioned only	Pipe	41	-	-	158	Jindal / Tata	-

NOTES	1	Refer to Equipment Table for more detailed specifications
	2	Approved Makes & Models as provided in column 4 should be quoted only; Any make is not approved or mentioned; the same should be submitted to Community CCTV Committee for Approval.
	3	Base Rate for each item as approved are without Sales Tax. The Sales Tax % have to be applied in quotation. The present tax % as applicable by Govt. Norms is 5%. The tax % may change as per Govt. Norms. The Base Rate does not include Yearly AMC amount, however, an additional amount @ 6.67% of order value for AMC items only is being paid by the Community/Client at the end of every year based on the System Integrator performance and approval from Police Station In-Charge.
	4	Whereever Make is not mentioned, the same should be submitted to Community CCTV Committee for Approval; refer point no. 2 above.
	General	System Integrators should submit the quotations in approved template only to Community/Client

COMMUNITY CCTV PROJECT

RATE CONTRACT OF COMMUNITY CCTV SYSTEM EQUIPMENT

RELEASE : 2.0 - JUNE-2015

RATE CONTRACT NEXT REVIEW DUE - SEPTEMBER-15

#	ITEM SPEC DETAILS [1]	ITEM DESCRIPTION	COMMUNITY CCTV COMMITTEE APPROVAL STATUS [2]	ITEM CATEGORY	DRS & PLEDGE (Consortium)			Trinetra Vision Systems (Consortium)			Matrix Security & Surveillance P Ltd.,		
					BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL
1	CAMF001	IP FIXED CAMERA WITH MOTORIZED VARIFOCAL; SD MEMORY SLOT	Approved where Model No. mentioned only	Camera	17,076	Octavision	OV-IP30CR81H3A8	50,925	UNIVIEW	IPC242E-IR-Z-IN	27,900	HIKVISION	DS-2CD4224F-IZ
2	CAMF002	IP FIXED CAMERA WITH MOTORIZED VARIFOCAL; WITHOUT SD MEMORY SLOT	Approved where Model No. mentioned only	Camera	17,076	Octavision	OV-IP30CR81H3A7	50,925	UNIVIEW	IPC242E-IR-Z-IN	27,900	HIKVISION	DS-2CD4224F-IZ
3	CAMF003	IP FIXED CAMERA WITH NORMAL VARIFOCAL BUT WITHOUT MOTORIZED VARIFOCAL AND SD MEMORY SLOT	Subject to Approval from Community CCTV Committee (case-on-case basis)	Camera	10,748	Octavision	OV-IP30CR81H3A6	45,675	UNIVIEW	IPC242L-IR-IN	11,250	HIKVISION	DS-2CD2620F-I
4	CAMP001	IP BASED DOME PTZ CAMERA WITH MEMORTY SLOT	Approved where Model No. mentioned only	Camera	67,871	Octavision	OVS-IP8S201V	84,525	UNIVIEW	IPC6222ER-X20	67,500	HIKVISION	DS-2DE7184-A
5	CAMP002	IP BASED DOME PTZ CAMERA WITHOUT MEMORTY SLOT	Subject to Approval from Community CCTV Committee (case-on-case basis)	Camera	67,827	Octavision	OVS-IP8S200V	84,525	UNIVIEW	IPC6222ER-X20	67,500	HIKVISION	DS-2DE7184-A
6	NR16001	16-CHANNEL NVR	Approved where Model No. mentioned only	NVR	40,630	Octavision	OVN-F4016G	50,715	UNIVIEW	NVR208-16	40,392	HIKVISION	DS-8616NI-ST
7	NR8002	8-CHANNEL NVR	Approved where Model No. mentioned only	NVR	23,791	Octavision	OVN-F4008G	29,400	UNIVIEW	NVR201-08E	25,253	HIKVISION	DS-8608NI-ST
8	NR4003	4-CHANNEL NVR	Approved where Model No. mentioned only	NVR	7,556	Octavision	OVN-E8004G	18,900	UNIVIEW	NVR202-08EP	8,798	HIKVISION	DS-7604NI-SE
9		4-TB SURVEILLANCE HDD	Approved where Makes are mentioned only	HDD	9,115	WD	WD-40PURX	9,375	SEAGATE/ WESTERN DIGITAL	-	8,738	Segate	-
10		32 GB MEMORY CARD - CLASS 10	Approved where Makes are mentioned only	MSD	860	Sandisk	SDSDUNO32G	1,500	-	-	825	Kingston/ SD/ Transcend	-
11	DSKA003	DESKTOP CPU	Approved where Model No. mentioned only	Desktop	72,794	HP	MP 600	36,750	LENOVO DESKT	-	51,750	Dell	OPTIPLEX 3020M
12	MNTR001	LED MONITOR	Approved where Model No. mentioned only	LED	31,327	Samsung	40H5000	42,000	SAMSUNG/LG	-	23,550	Micromax	40T2810FHD
13	SWPE001	24 UTP PORT + 2 FIBER PORT SWITCH WITH POE AND MULTICAST SUPPORT	Approved where Model No. mentioned only	Switch	34,219	c	-	27,300	DIGISOL	DG-GS1526HPE	22,875	Digisol	DG-GS1526HPE
14	SWPE002	4 UTP PORT + 2 FIBER PORT SWITCH WITH POE AND MULTICAST SUPPORT	Approved where Model No. mentioned only	Switch	16,700	Digilink/digisol	-	15,225	DIGISOL	DG-GS1510HPE	10,875	Digisol	DG-GS1510HPE
15	SWPE003	8 UTP PORT + 2 FIBER PORT SWITCH WITH POE AND MULTICAST SUPPORT	Approved where Model No. mentioned only	Switch	26,295	Digilink/digisol	-	21,000	DIGISOL	DG-FS4510	10,875	Digisol	DG-GS1510HPE
16	SWIG001	4-Port PoE Industrial Grade Switch with 4 UTP Ports and 2 Mini GBIC slot for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	39,375	CTC	-	30,765	CTC UNION	IFS-402GSM-4PH	26,082	CTC	IFS-402GSM-4PH
17	SWIG002	8-Port PoE Industrial Grade Switch with 8 UTP Ports with 2 Mini GBIC slot for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	53,438	CTC	-	38,850	CTC UNION	IFS-803GSM-8PH	37,260	CTC	IFS-803GSM-8PH

RATE CONTRACT OF COMMUNITY CCTV SYSTEM EQUIPMENT

RELEASE : 2.0 - JUNE-2015

RATE CONTRACT NEXT REVIEW DUE - SEPTEMBER-15

#	ITEM SPEC DETAILS [1]	ITEM DESCRIPTION	COMMUNITY CCTV COMMITTEE APPROVAL STATUS [2]	ITEM CATEGORY	DRS & PLEDGE (Consortium)			Trinetra Vision Systems (Consortium)			Matrix Security & Surveillance P Ltd.,		
					BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL
18	SWIG003	8-Port PoE Industrial Grade Switch with 8 UTP Ports and 4 Fiber combo Mini GBIC slot for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	57,188	CTC	-	38,850	CTC UNION	IFS-803GSM-8PH2	37,260	CTC	IFS-803GSM-8PH2
19	SWIG004	4-Port UTP port Industrial Grade with for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	32,813	CTC	-	19,950	CTC UNION	FSW 2104	22,356	CTC	IFS-402GSM
16		6U SIZE 19" INDUSTRIAL RACK ENCLOSURE	Approved where Makes are mentioned only	Rack	14,063	Netrack	-	9,450	NETRACK	-	6,003	HCL	-
17		Cat6 UTP Cable	Approved where Makes are mentioned only	Cable	23	Finolex/Dlink	-	23	DIGISOL	-	15	DIGILINK	-
18		Single-mode 6 Core Fiber Cable	Approved where Makes are mentioned only	Cable	19	Finolex/Dlink	-	19	DIGISOL	-	13	FINOLEX	-
19		Fiber Patch Cable 1.5 m length	Approved where Makes are mentioned only	Cable	287	Digilink/digisol	-	1,125	MOLEX	-	171	DIGILINK	-
20		Fiber Termination Box		Box	84	-	-	225	ANY REPUTED BRAND	-	86	INDIGENOUS	-
21		3C x 2.5 Sq. mm Flexible running thru HDD PVC conduits		Cable	60	-	-	38	FINECAB	-	35	SURABHI	-
22		3C x 2.5 Sq. mm Armoured Cable		Cable	104	-	-	64	FINECAB	-	61	SURABHI	-
23		6 mtr round pole with an option of 2 detachable cantilevers		Pole	9,600	-	-	3,000	-	-	10,260	INDIGENOUS	-
24		Wall mount based cantiliver with base plate fixed as per site conditions		Pole	2,290	-	-	1,500	-	-	1,197	OEM	-
25		25MM **CPVC** Conduit	Approved where Makes are mentioned only	Pipe	107	Sudhakar	-	23	SUDHAKAR	-	21	SUDHAKAR	-
26		25MM **PVC** Conduit	Approved where Makes are mentioned only	Pipe	39	Sudhakar	-	21	SUDHAKAR	-	18	SUDHAKAR	-
27		25MM MS Conduit	Approved where Makes are mentioned only	Pipe	173	Tata/Jindal	-	23	SUDHAKAR	-	103	-	-
28		25MM GI Conduit	Approved where Makes are mentioned only	Pipe	165	Tata/Jindal	-	23	SUDHAKAR	-	86	-	-

NOTES		
	1	Refer to Equipment Table for more detailed specifications
	2	Approved Makes & Models as provided in column 4 should be quoted only; Any make is not approved or mentioned; the same should be submitted to Community CCTV Committee for Approval.
	3	Base Rate for each item as approved are without Sales Tax. The Sales Tax % have to be applied in quotation. The present tax % as applicable by Govt. Norms is 5%. The tax % may change as per Govt. Norms. The Base Rate does not include Yearly AMC amount, however, an additional amount @ 6.67% of order value for AMC items only is being paid by the Community/Client at the end of every year based on the System Integrator performance and approval from Police Station In-Charge.
	4	Whereever Make is not mentioned, the same should be submitted to Community CCTV Committee for Approval; refer point no. 2 above.
	General	System Integrators should submit the quotations in approved template only to Community/Client

COMMUNITY CCTV PROJECT

RATE CONTRACT OF COMMUNITY CCTV SYSTEM EQUIPMENT

RELEASE : 2.0 - JUNE-2015

RATE CONTRACT NEXT REVIEW DUE - SEPTEMBER-15

#	ITEM SPEC DETAILS [1]	ITEM DESCRIPTION	COMMUNITY CCTV COMMITTEE APPROVAL STATUS [2]	ITEM CATEGORY	Microvillage Communications P Ltd.,			Eternal & Navayuga (Consortium)			Pedvak-SCSS (Consortium)		
					BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL
1	CAMF001	IP FIXED CAMERA WITH MOTORIZED VARIFOCAL; SD MEMORY SLOT	Approved where Model No. mentioned only	Camera	72,931	Panasonic	WV-SPW631L	17,123	Octavision	OV-IP30CR81H3A8	17,169	Octavision	OV-IP30CR81H3A8
2	CAMF002	IP FIXED CAMERA WITH MOTORIZED VARIFOCAL; WITHOUT SD MEMORY SLOT	Approved where Model No. mentioned only	Camera	72,931	Panasonic	WV-SPW631L	17,123	Octavision	OV-IP30CR81H3A7	17,171	Octavision	OV-IP30CR81H3A7
3	CAMF003	IP FIXED CAMERA WITH NORMAL VARIFOCAL BUT WITHOUT MOTORIZED VARIFOCAL AND SD MEMORY SLOT	Subject to Approval from Community CCTV Committee (case-on-case basis)	Camera	72,931	Panasonic	WV-SPW631L	10,799	Octavision	OV-IP30CR81H3A6	10,851	Octavision	OV-IP30CR81H3A6
4	CAMP001	IP BASED DOME PTZ CAMERA WITH MEMORTY SLOT	Approved where Model No. mentioned only	Camera	159,365	Panasonic	WV-SW598	67,924	Octavision	OVS-IP8S201V	67,976	Octavision	OVS-IP8S201V
5	CAMP002	IP BASED DOME PTZ CAMERA WITHOUT MEMORTY SLOT	Subject to Approval from Community CCTV Committee (case-on-case basis)	Camera	159,365	Panasonic	WV-SW598	67,873	Octavision	OVS-IP8S200V	67,919	Octavision	OVS-IP8S200V
6	NR16001	16-CHANNEL NVR	Approved where Model No. mentioned only	NVR	110,428	Panasonic	WJ-NV200	40,672	Octavision	OVN-F4016G	40,713	Octavision	OVN-F4016G
7	NR8002	8-CHANNEL NVR	Approved where Model No. mentioned only	NVR	110,428	Panasonic	WJ-NV200	23,833	Octavision	OVN-F4008G	23,875	Octavision	OVN-F4008G
8	NR4003	4-CHANNEL NVR	Approved where Model No. mentioned only	NVR	110,428	Panasonic	WJ-NV200	7,500	Octavision	OVN-E8004G	7,594	Octavision	OVN-E8004G
9		4-TB SURVEILLANCE HDD	Approved where Makes are mentioned only	HDD	9,180	Seagate / WD	-	9,130	WD	WD-40PURX	9,145	WD	WD-40PURX
10		32 GB MEMORY CARD - CLASS 10	Approved where Makes are mentioned only	MSD	974	OEM	-	862	Sandisk	SDSDUNO32G	863	Sandisk	SDSDUNO32G
11	DSKA003	DESKTOP CPU	Approved where Model No. mentioned only	Desktop	55,335	OEM	-	51,563	HP	MP 600	73,075	HP	MP 600
12	MNTR001	LED MONITOR	Approved where Model No. mentioned only	LED	39,060	Panasonic or Equivalent	-	31,313	Samsung	40H5000	31,406	Samsung	40H5000
13	SWPE001	24 UTP PORT + 2 FIBER PORT SWITCH WITH POE AND MULTICAST SUPPORT	Approved where Model No. mentioned only	Switch	23,213	Netgear	GS728TP (4 SFP	22,875	Digisol	DG-GS1526HPE	23,016	Netgear	-
14	SWPE002	4 UTP PORT + 2 FIBER PORT SWITCH WITH POE AND MULTICAST SUPPORT	Approved where Model No. mentioned only	Switch	12,499	Netgear	GS110TP	12,141	Netgear/ Digisol	-	12,094	Netgear	-
15	SWPE003	8 UTP PORT + 2 FIBER PORT SWITCH WITH POE AND MULTICAST SUPPORT	Approved where Model No. mentioned only	Switch	12,499	Netgear	GS110TP	12,141	Netgear/ Digisol	-	12,094	Netgear	-
16	SWIG001	4-Port PoE Industrial Grade Switch with 4 UTP Ports and 2 Mini GBIC slot for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	70,308	Alliedtelesis	AT-IFS802SP/PC	25,875	AlliedTelesis	-	25,828	AlliedTelesis	-
17	SWIG002	8-Port PoE Industrial Grade Switch with 8 UTP Ports with 2 Mini GBIC slot for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	70,308	Alliedtelesis	AT-IFS802SP/PO	37,031	AlliedTelesis	-	37,031	AlliedTelesis	-

RATE CONTRACT OF COMMUNITY CCTV SYSTEM EQUIPMENT

RELEASE : 2.0 - JUNE-2015

RATE CONTRACT NEXT REVIEW DUE - SEPTEMBER-15

#	ITEM SPEC DETAILS [1]	ITEM DESCRIPTION	COMMUNITY CCTV COMMITTEE APPROVAL STATUS [2]	ITEM CATEGORY	Microvillage Communications P Ltd.,			Eternal & Navayuga (Consortium)			Pedvak-SCSS (Consortium)		
					BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL
18	SWIG003	8-Port PoE Industrial Grade Switch with 8 UTP Ports and 4 Fiber combo Mini GBIC slot for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	70,308	Alliedtelesis	AT-IFS802SP/PO	37,031	AlliedTelesis	-	37,031	AlliedTelesis	-
19	SWIG004	4-Port UTP port Industrial Grade with for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	49,718	Alliedtelesis	AT-IFS802SP-80	22,219	AlliedTelesis	-	22,228	AlliedTelesis	-
16		6U SIZE 19" INDUSTRIAL RACK ENCLOSURE	Approved where Makes are mentioned only	Rack	6,650	Netrack	-	5,906	Val Rack	-	16,819	Val Rack	-
17		Cat6 UTP Cable	Approved where Makes are mentioned only	Cable	22	OEM	-	27	Finolex/ Dlink	-	28	Finolex/ Dlink	-
18		Single-mode 6 Core Fiber Cable	Approved where Makes are mentioned only	Cable	39	OEM	-	29	Finolex/ Dlink	-	30	Finolex/ Dlink	-
19		Fiber Patch Cable 1.5 m length	Approved where Makes are mentioned only	Cable	2,291	AMP	-	288	Digilink/ Digisol	-	289	Digilink/ Digisol	-
20		Fiber Termination Box		Box	5,625	OEM	-	86	-	-	87	-	-
21		3C x 2.5 Sq. mm Flexible running thru HDD PVC conduits		Cable	74	OEM	-	60	-	-	61	-	-
22		3C x 2.5 Sq. mm Armoured Cable		Cable	137	OEM	-	104	-	-	105	-	-
23		6 mtr round pole with an option of 2 detachable cantilevers		Pole	10,125	OEM	-	9,825	-	-	10,050	-	-
24		Wall mount based cantiliver with base plate fixed as per site conditions		Pole	1,949	OEM	-	2,364	-	-	2,438	-	-
25		25MM **CPVC** Conduit	Approved where Makes are mentioned only	Pipe	127	OEM	-	108	Swasthik/ Sudhakar	-	110	Swasthik/ Sudhakar	-
26		25MM **PVC** Conduit	Approved where Makes are mentioned only	Pipe	37	OEM	-	40	Swasthik/ Sudhakar	-	41	Swasthik/ Sudhakar	-
27		25MM MS Conduit	Approved where Makes are mentioned only	Pipe	168	OEM	-	180	Jindal / Tata	-	188	Jindal / Tata	-
28		25MM GI Conduit	Approved where Makes are mentioned only	Pipe	90	OEM	-	173	Jindal / Tata	-	180	Jindal / Tata	-

NOTES	1	Refer to Equipment Table for more detailed specifications
	2	Approved Makes & Models as provided in column 4 should be quoted only; Any make is not approved or mentioned; the same should be submitted to Community CCTV Committee for Approval.
	3	Base Rate for each item as approved are without Sales Tax. The Sales Tax % have to be applied in quotation. The present tax % as applicable by Govt. Norms is 5%. The tax % may change as per Govt. Norms. The Base Rate does not include Yearly AMC amount, however, an additional amount @ 6.67% of order value for AMC items only is being paid by the Community/Client at the end of every year based on the System Integrator performance and approval from Police Station In-Charge.
	4	Whereever Make is not mentioned, the same should be submitted to Community CCTV Committee for Approval; refer point no. 2 above.
	General	System Integrators should submit the quotations in approved template only to Community/Client

COMMUNITY CCTV PROJECT

RATE CONTRACT OF COMMUNITY CCTV SYSTEM EQUIPMENT

RELEASE : 2.0 - JUNE-2015

RATE CONTRACT NEXT REVIEW DUE - SEPTEMBER-15

#	ITEM SPEC DETAILS [1]	ITEM DESCRIPTION	COMMUNITY CCTV COMMITTEE APPROVAL STATUS [2]	ITEM CATEGORY	RGP Electronics India P Ltd.,			Verticle Technologies P Ltd			Totem International Ltd.,		
					BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL
1	CAMF001	IP FIXED CAMERA WITH MOTORIZED VARIFOCAL; SD MEMORY SLOT	Approved where Model No. mentioned only	Camera	20,955	Octavision	OV-IP30CR81H3A8	21,798	Dahua	DH-IPC-HFW2201R-ZS	83,250	Axis	AXISQ1765-LE
2	CAMF002	IP FIXED CAMERA WITH MOTORIZED VARIFOCAL; WITHOUT SD MEMORY SLOT	Approved where Model No. mentioned only	Camera	18,859	Octavision	OV-IP30CR81H3A7	31,645	-	-	83,250	Axis	AXISQ1765-LE
3	CAMF003	IP FIXED CAMERA WITH NORMAL VARIFOCAL BUT WITHOUT MOTORIZED VARIFOCAL AND SD MEMORY SLOT	Subject to Approval from Community CCTV Committee (case-on-case basis)	Camera	12,224	Octavision	OV-IP30CR81H3A6	31,607	-	-	83,250	Axis	AXISQ1765-LE
4	CAMP001	IP BASED DOME PTZ CAMERA WITH MEMORTY SLOT	Approved where Model No. mentioned only	Camera	71,870	Octavision	OVS-IP8S201V	75,159	Dahua	DH-SD6C230S-HN	136,500	Axis	AXIS P5532-E 50HZ
5	CAMP002	IP BASED DOME PTZ CAMERA WITHOUT MEMORTY SLOT	Subject to Approval from Community CCTV Committee (case-on-case basis)	Camera	71,870	Octavision	OVS-IP8S200V	113,879	-	-	136,500	Axis	AXIS P5532-E 50HZ
6	NR16001	16-CHANNEL NVR	Approved where Model No. mentioned only	NVR	43,006	Octavision	OVN-F4016G	45,040	Dahua	DH-NVR4816-16P	112,500	QNAP	QNCVS6116PROPLUS
7	NR8002	8-CHANNEL NVR	Approved where Model No. mentioned only	NVR	25,612	Octavision	OVN-F4008G	26,775	Dahua	DH-NVR4204	75,000	-	-
8	NR4003	4-CHANNEL NVR	Approved where Model No. mentioned only	NVR	8,936	Octavision	OVN-E8004G	9,356	Dahua	DH-NVR4208	37,500	QNAP	QNCVS2104PROPLUS
9		4-TB SURVEILLANCE HDD	Approved where Makes are mentioned only	HDD	8,741	Any reputed	Seagate/ Tishiba/ WD	8,400	WD	WD40PURX	11,100	-	-
10		32 GB MEMORY CARD - CLASS 10	Approved where Makes are mentioned only	MSD	834	Any reputed	Kingston/SD/Transcend	873	Kingston	-	1,875	Sandisk/Kingston	-
11	DSKA003	DESKTOP CPU	Approved where Model No. mentioned only	Desktop	55,045	HP	Pro 600 Buiness PC	34,020	Dell	OPTIPLEX 3020MT	67,500	HP/Dell	-
12	MNTR001	LED MONITOR	Approved where Model No. mentioned only	LED	22,730	Panasonic, Commerical display, works for 24x 7	Model: TH-32AM410D,	26,933	Samsung	-	30,000	Samsung	-
13	SWPE001	24 UTP PORT + 2 FIBER PORT SWITCH WITH POE AND MULTICAST SUPPORT	Approved where Model No. mentioned only	Switch	24,149	Netgear	GS728TP	26,723	D-Link	DGS-1210-28P	41,250	D-Link	-
14	SWPE002	4 UTP PORT + 2 FIBER PORT SWITCH WITH POE AND MULTICAST SUPPORT	Approved where Model No. mentioned only	Switch	13,004	Netgear	GS110TP	13,840	-	-	19,500	D-Link	-
15	SWPE003	8 UTP PORT + 2 FIBER PORT SWITCH WITH POE AND MULTICAST SUPPORT	Approved where Model No. mentioned only	Switch	13,004	Netgear	GS110TP	12,133	D-Link	DGS-1210-10P	30,000	D-Link	-
16	SWIG001	4-Port PoE Industrial Grade Switch with 4 UTP Ports and 2 Mini GBIC slot for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	19,286	Netgear	GS110 TP	14,963	-	-	26,250	D-Link	-
17	SWIG002	8-Port PoE Industrial Grade Switch with 8 UTP Ports with 2 Mini GBIC slot for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	19,286	Netgear	GS110 TP	20,423	-	-	37,500	D-Link	-

COMMUNITY CCTV PROJECT

RATE CONTRACT OF COMMUNITY CCTV SYSTEM EQUIPMENT

RELEASE : 2.0 - JUNE-2015

RATE CONTRACT NEXT REVIEW DUE - SEPTEMBER-15

#	ITEM SPEC DETAILS [1]	ITEM DESCRIPTION	COMMUNITY CCTV COMMITTEE APPROVAL STATUS [2]	ITEM CATEGORY	RGP Electronics India P Ltd.,			Verticle Technologies P Ltd			Totem International Ltd.,		
					BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL	BASE PRICE [3]	MAKE [4]	MODEL
18	SWIG003	8-Port PoE Industrial Grade Switch with 8 UTP Ports and 4 Fiber combo Mini GBIC slot for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	19,286	Netgear	GS110 TP	25,620	-	-	45,000	D-Link	-
19	SWIG004	4-Port UTP port Industrial Grade with for outdoor installation with multicast feature	Approved where Model No. mentioned only	Switch	9,649	Netgear	GS108 T	10,248	-	-	60,000	D-Link	-
16		6U SIZE 19" INDUSTRIAL RACK ENCLOSURE	Approved where Makes are mentioned only	Rack	18,688	Netfox	-	4,763	Valrack	-	12,000	D-Link	-
17		Cat6 UTP Cable	Approved where Makes are mentioned only	Cable	17	AMP/D-Link/Netfox	-	11	Dlink	-	19	D-Link	-
18		Single-mode 6 Core Fiber Cable	Approved where Makes are mentioned only	Cable	13	Any reputed	-	17	Dlink	-	38	D-Link	-
19		Fiber Patch Cable 1.5 m length	Approved where Makes are mentioned only	Cable	585	Any reputed	-	191	-	-	2,400	D-Link	-
20		Fiber Termination Box		Box	107	Local	-	119	-	-	6,000	D-Link	-
21		3C x 2.5 Sq. mm Flexible running thru HDD PVC conduits		Cable	49	RR Kable	-	11	-	-	8	Standard	-
22		3C x 2.5 Sq. mm Armoured Cable		Cable	90	RR Kable	-	14	-	-	23	Standard	-
23		6 mtr round pole with an option of 2 detachable cantilevers		Pole	9,881	Local	-	2,813	-	-	7,500	Standard	-
24		Wall mount based cantiliver with base plate fixed as per site conditions		Pole	2,751	Local	-	1,275	-	-	3,750	Standard	-
25		25MM **CPVC** Conduit	Approved where Makes are mentioned only	Pipe	96	-	-	26	-	-	105	Standard	-
26		25MM **PVC** Conduit	Approved where Makes are mentioned only	Pipe	20	Sudhakar	-	24	-	-	45	Standard	-
27		25MM MS Conduit	Approved where Makes are mentioned only	Pipe	67	Local	-	26	-	-	203	Standard	-
28		25MM GI Conduit	Approved where Makes are mentioned only	Pipe	93	Local	-	26	-	-	240	Standard	-

NOTES	1	Refer to Equipment Table for more detailed specifications
	2	Approved Makes & Models as provided in column 4 should be quoted only; Any make is not approved or mentioned; the same should be submitted to Community CCTV Committee for Approval.
	3	Base Rate for each item as approved are without Sales Tax. The Sales Tax % have to be applied in quotation. The present tax % as applicable by Govt. Norms is 5%. The tax % may change as per Govt. Norms. The Base Rate does not include Yearly AMC amount, however, an additional amount @ 6.67% of order value for AMC items only is being paid by the Community/Client at the end of every year based on the System Integrator performance and approval from Police Station In-Charge.
	4	Whereever Make is not mentioned, the same should be submitted to Community CCTV Committee for Approval; refer point no. 2 above.
	General	System Integrators should submit the quotations in approved template only to Community/Client

DETAILS OF ITEM SPECIFICATIONS RELEASE : 1.0 - MARCH-2015

#	ITEM CODE	ITEM NAME	ITEM SHORT DESCRIPTION	ITEM SPECIFICATIONS
1	CAMF001	IP FIXED CAMERA WITH MOTORIZED VARIFOCAL; SD MEMORY SLOT	FIXED WITH MV & MS	2.0 megapixel IP Cameras with motorized Verifocal & pixel zoom ; Progressive Scan CMOS 1/2.8" or 1/3"format; Focal Length 2.8 to 12mm; Zoom Range – 4.2x Varifocal; Multiple simultaneous stream; Streams First Stream : full HD, 1~30fps; 1280x720, 1~30 fps; 704x576, 1-30fps, Second Stream 704x576, 1~30fps; 352x288 10~30fps; Video Compression 32 Kbps ~ 16 MBPS, Support CBR/VBR; H.264 Version 3, high profile encoding and Motion JPEG format support; 1920(w) x 1080(h) or higher active pixels; built-in IR with 2 or more EPLED; SW supported Digital WDR ; Auto BLC; SD Memory Slot Upto 32GB Class 10; Minimum Illumination ICR Colour 0.1 lux (F1.2 AGC ON) B/W 0.001 lux (F2 AGC ON); Shutter speed 1/25-1/10,000s ; Multiple resolution 4CIF(704x576), CIF (352x288); 12vDC / 24vAC / IEEE802.3AF PoE (RJ-45) support; supporting all network protocols (list the supporting protocols); 10/100 Base-T, I/O Audio support, Audio Compression G.711; Multi-level user access with password protection; IP Address filtering; HTTPS encrypted data transmission; IEEE 802.1x port-based authentication for network protection; IP Address filtering HTTPS encrypted data transmission; Operating Temperature -10 deg C to +55deg C,ONVIF Compliant, 36 months Comprehensive Warranty. Specification should be submitted on OEM & ODM Letter heads. CE, FCC, EMC & ROHS Certification; and UL certification for Core Adaptor are mandatory; ONVIF Complaint
2	CAMF002	IP FIXED CAMERA WITH MOTORIZED VARIFOCAL; WITHOUT SD MEMORY SLOT	FIXED WITH MV & W/O MS	2.0 megapixel IP Cameras with motorized Verifocal & pixel zoom ; Progressive Scan CMOS 1/2.8" or 1/3"format; Focal Length 2.8 to 12mm; Zoom Range – 4.2x Varifocal; Multiple simultaneous stream; Streams First Stream : full HD, 1~30fps; 1280x720, 1~30 fps; 704x576, 1-30fps, Second Stream 704x576, 1~30fps; 352x288 10~30fps; Video Compression 32 Kbps ~ 16 MBPS, Support CBR/VBR; H.264 Version 3, high profile encoding and Motion JPEG format support; 1920(w) x 1080(h) or higher active pixels; built-in IR with 2 or more EPLED; SW supported Digital WDR ; Auto BLC; Minimum Illumination ICR Colour 0.1 lux (F1.2 AGC ON) B/W 0.001 lux (F2 AGC ON); Shutter speed 1/25-1/10,000s ; Multiple resolution 4CIF(704x576), CIF (352x288); 12vDC / 24vAC / IEEE802.3AF PoE (RJ-45) support; supporting all network protocols (list the supporting protocols); 10/100 Base-T, I/O Audio support, Audio Compression G.711; Multi-level user access with password protection; IP Address filtering; HTTPS encrypted data transmission; IEEE 802.1x port-based authentication for network protection; IP Address filtering HTTPS encrypted data transmission; Operating Temperature -10 deg C to +55deg C,ONVIF Compliant, 36 months Comprehensive Warranty. Specification should be submitted on OEM & ODM Letter heads. CE, FCC, EMC & ROHS Certification; and UL certification for Core Adaptor are mandatory; ONVIF Complaint
3	CAMF003	IP FIXED CAMERA WITH NORMAL VARIFOCAL BUT WITHOUT MOTORIZED VARIFOCAL AND SD MEMORY SLOT	FIXED WITHOUT MV & MS	2.0 megapixel IP Cameras Verifocal lens; Progressive Scan CMOS 1/2.8" or 1/3"format; Focal Length 2.8 to 12mm; Zoom Range – 4.2x Varifocal; Multiple simultaneous stream; Streams First Stream : full HD, 1~30fps; 1280x720, 1~30 fps; 704x576, 1-30fps, Second Stream 704x576, 1~30fps; 352x288 10~30fps; Video Compression 32 Kbps ~ 16 MBPS, Support CBR/VBR; H.264 Version 3, high profile encoding and Motion JPEG format support; 1920(w) x 1080(h) or higher active pixels; built-in IR with 2 or more EPLED; SW supported Digital WDR ; Auto BLC; Minimum Illumination ICR Colour 0.1 lux (F1.2 AGC ON) B/W 0.001 lux (F2 AGC ON); Shutter speed 1/25-1/10,000s ; Multiple resolution 4CIF(704x576), CIF (352x288); 12vDC / 24vAC / IEEE802.3AF PoE (RJ-45) support; supporting all network protocols (list the supporting protocols); 10/100 Base-T, I/O Audio support, Audio Compression G.711; Multi-level user access with password protection; IP Address filtering; HTTPS encrypted data transmission; IEEE 802.1x port-based authentication for network protection; IP Address filtering HTTPS encrypted data transmission; Operating Temperature -10 deg C to +55deg C,ONVIF Compliant, 36 months Comprehensive Warranty. Specification should be submitted on OEM & ODM Letter heads. CE, FCC, EMC & ROHS Certification; and UL certification for Core Adaptor are mandatory; ONVIF Complaint
4	CAMP001	IP BASED DOME PTZ CAMERA WITH MEMORTY SLOT	PTZ WITH MS	Resolution 1920(H)*1080(V); Night Vision 100M IR Distance, Mechanical IR Cut; Mini Illumination Colour: 0.01Lux/F1.2, AGC on; B/W: 0Lux/IR on; Video Compression H.264 Version 3 , Video Streams First Stream: 720P, 1-30FPS; Second Stream: D1/CIF, 1-30FPS, Video Bit Rate 32K-8Mbps, CBR/VBR; Video Frames 1-30FPS; On Screen Display Text, Bit Rate, Date, Weekday; Audio Compression G.711; IO Interface : Alarm Support, Audio Input Support, Audio Output Support, RS485 Support, LAN 10M/100M Auto Adaptive, Standard RJ45; Storage File Video, Image; Storage Type Manual, Auto(Schedule, Alarm Triggered); Protocols HTTP, TCP/IP, ICMP, RTSP, RTP, UDP, RTCP, SMTP, FTP, DHCP, DNS, DDNS, PPPOE, UPNP; Onvif Support, 32 MB Micro SD Card Storage Support ; Mobile App iPhone, Android; Lens f=4.7mm(Near) ~ 94mm(Tele); Zoom 20X Optical Zoom; View Angle 55.2°(Near)~3.2°(Tele); F Value F1.6 to F 2.8; WDR Support; Pan/Tilt 0.1-250°/s; 0.1-150°/s; Preset 256; CE, FCC, EMC & ROHS Certificition and UL certification for Core Adaptor are mandatory; ONVIF Compliant
5	CAMP002	IP BASED DOME PTZ CAMERA WITHOUT SD MEMORY SLOT	PTZ WITHOUT MS	Resolution 1920(H)*1080(V); Night Vision 100M IR Distance, Mechanical IR Cut; Mini Illumination Colour: 0.01Lux/F1.2, AGC on; B/W: 0Lux/IR on; Video Compression H.264 Version 3 , Video Streams First Stream: 720P, 1-30FPS; Second Stream: D1/CIF, 1-30FPS, Video Bit Rate 32K-8Mbps, CBR/VBR; Video Frames 1-30FPS; On Screen Display Text, Bit Rate, Date, Weekday; Audio Compression G.711; IO Interface : Alarm Support, Audio Input Support, Audio Output Support, RS485 Support, LAN 10M/100M Auto Adaptive, Standard RJ45; Storage File Video, Image; Storage Type Manual, Auto(Schedule, Alarm Triggered); Protocols HTTP, TCP/IP, ICMP, RTSP, RTP, UDP, RTCP, SMTP, FTP, DHCP, DNS, DDNS, PPPOE, UPNP; Onvif Support; Mobile App iPhone, Android; Lens f=4.7mm(Near) ~ 94mm(Tele); Zoom 20X Optical Zoom; View Angle 55.2°(Near)~3.2°(Tele); F Value F1.6 to F 2.8; WDR Support; Pan/Tilt 0.1-250°/s; 0.1-150°/s; Preset 256; CE, FCC, EMC & ROHS Certificition and UL certification for Core Adaptor are mandatory; ONVIF Compliant

DETAILS OF ITEM SPECIFICATIONS RELEASE : 1.0 - MARCH-2015

#	ITEM CODE	ITEM NAME	ITEM SHORT DESCRIPTION	ITEM SPECIFICATIONS
6	NR16001	16 CHANNEL NVR	16-CH NVR	16ch 720P/1080P IP cameras inputs; H.264 Version 3/MJPEG dual codec decoding ; 1/1ch Mic in/out; Recording resolution:720P ;4ch sync realtime playback; HDMI,VGA output up to 1080p,1 BNC output; 16ch alarm in & 4ch relay out,RS485 ; **8 SATA Extendable to min. 4 SATA**,2 USB,RJ45(1000M) ; Power - AC220V/110V/ATX ; Main Processor Dual-core embedded processor; Operating System Embedded LINUX; Video & Audio; IP Camera Input 16 channel; Two-way Talk 1 channel Input, 1 channel Output ; Display Interface 1 HDMI, 1 VGA, 1TV; Resolution 1920×1080, 1280×1024, 1280×720, 1024×768; Display Split 1/4/9/16; Recording Compression H.264 Version 3 / MJPEG Resolution 720P(1280×720) / D1 (704×576/704×480); Bit Rate 48~ 8192kbps ; Record Mode Manual, Schedule(Regular(Continuous), MD, Alarm), Stop ; Video Detection & Alarm - Video Detection Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank; Alarm Input 16 channel; Relay Output 4 channel; Playback & Backup - Sync Playback 1/4; Search Mode Time/Date, Alarm, MD & Exact search (accurate to second); Playback Function Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom; Backup Mode USB Device / Network; Network - Ethernet RJ-45 port (1000M); Network Function HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search(Support IP camera, DVR, NVS and etc.) ;Max. User Access 20 users Storage; Internal HDD 8 SATA ports; Auxiliary Interface - USB 2 ports USB2.0; RS232 1 port, For PC communication & Keyboard; RS485 1 port, For PTZ control ; General; Power Supply AC220V/110V/ATX; Power Consumption 20W(without HDD) Working Environment -10 ~+55°C / 10~90%RH / 86~106kpa; Dimension (W×D×H) to fit into a 2U Rack; CE, FCC, EMC & ROHS Certificition and UL certification for Core Adaptor are mandatory; and ONVIF Complaint
7	NR08002	8 CHANNEL NVR	8-CH NVR	8ch 720P/1080P IP cameras inputs; H.264 Version 3/MJPEG dual codec decoding ; 1/1ch Mic in/out; Recording resolution:720P ;4ch sync realtime playback; HDMI,VGA output up to 1080p,1 BNC output; 8ch alarm in & 4ch relay out,RS485 ; **8 SATA**,2 USB,RJ45(1000M) ; Power - AC220V/110V/ATX ; Main Processor Dual-core embedded processor; Operating System Embedded LINUX; Video & Audio; IP Camera Input 16 channel; Two-way Talk 1 channel Input, 1 channel Output ; Display Interface 1 HDMI, 1 VGA, 1TV; Resolution 1920×1080, 1280×1024, 1280×720, 1024×768; Display Split 1/4/9/16; Recording Compression H.264 Version 3 / MJPEG Resolution 720P(1280×720) / D1 (704×576/704×480); Bit Rate 48~ 8192kbps ; Record Mode Manual, Schedule(Regular(Continuous), MD, Alarm), Stop ; Video Detection & Alarm - Video Detection Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank; Alarm Input 16 channel; Relay Output 4 channel; Playback & Backup - Sync Playback 1/4; Search Mode Time/Date, Alarm, MD & Exact search (accurate to second); Playback Function Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom; Backup Mode USB Device / Network; Network - Ethernet RJ-45 port (1000M); Network Function HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search(Support IP camera, DVR, NVS and etc.) ;Max. User Access 20 users Storage; Internal HDD 8 SATA ports; Auxiliary Interface - USB 2 ports USB2.0; RS232 1 port, For PC communication & Keyboard; RS485 1 port, For PTZ control ; General; Power Supply AC220V/110V/ATX; Power Consumption 20W(without HDD) Working Environment -10 ~+55°C / 10~90%RH / 86~106kpa; Dimension (W×D×H) to fit into a 2U Rack; CE, FCC, EMC & ROHS Certificition and UL certification for Core Adaptor are mandatory; and ONVIF Complaint
8	NR04003	4 CHANNEL NVR	4-CH NVR	4ch 720P/1080P IP cameras inputs; H.264/MJPEG dual codec decoding ; 1/1ch Mic in/out; Recording resolution:720P/1080P; 4ch sync realtime playback; HDMI,VGA output up to 1080p,1 BNC output; 2ch alarm in & 1ch relay out,RS485; 2 SATA,2 USB,RJ45(1000M) ; Power:DC12V 3.5A; Main Processo,rDual-core embedded processor,Operating System,Embedded LINUX Video & Audio IP Camera Input 4 channelTwo-way Talk1 channel Input, 1 channel OutputDisplay,Interface 1 HDMI, 1 VGA, 1TV,Resolution1920×1080, 1280×720Display Split1/4 RecordingCompression.H.264 / MJPEGResolution1080P(1920×1080) / 720P(1280×720) / D1 (704×576/704×480)Bit Rate 48~ 8192kbps Record Mode,Manual, Schedule(Regular(Continuous), MD, Alarm), StopVideo Detection & AlarmVideo Detection,Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank,Alarm Input 2 channel Relay Output 1 channel Playback & BackupSync Playbac 1/4Search ModeTime/Date, Alarm, MD & Exact search (accurate to second); Playback Function Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom ; Backup Mode USB Device / Network Ethernet RJ-45 port (1000M); Network Function,HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search(Support IP camera, DVR, NVS and etc.); Max. User Access 20 users StorageInternal HDD 2 SATA ports Auxiliary Interface USB2 ports USB2.0 RS2321 port, For PC communication & Keyboard RS4851 port, For PTZ controlGeneralPower SupplyDC12VPower Consumption 20W(without HDD); Working Environment-10 ~+55°C / 10~90%RH / 86~106kpa Dimension (W×D×H)315x243x54mm; CE, FCC, EMC & ROHS Certificition and UL certification for Core Adaptor are mandatory; and ONVIF Complaint

DETAILS OF ITEM SPECIFICATIONS RELEASE : 1.0 - MARCH-2015

#	ITEM CODE	ITEM NAME	ITEM SHORT DESCRIPTION	ITEM SPECIFICATIONS
9	NRSW001	NVR Client SOFTWARE	CMS	NVR Software supports upto 256 -channels; Continuous/Manual/schedule recording; supports multi streaming/casting live & recording option; embeded Linux OS, Alarm recording / multiple alarm recording schedules; Recording up to 30fps at 720px1080p, VGA for each channel, should support upto 10 megapixel cameras, AVI format; Full play back controls such as Play, pause, stop, reverse/next/previous video play, different speed control; Full screen display, digital zoom; ability to convert multiple recording files to external USB device; security password protections; remote monitoring; multi-display mode; H.264/MPEG-4/M-JPEG video compression; optimal zooming for PTZ cameras; Cameras; NVR & NVR Software should be able to integrate with any VMS either directly or through APIs, Playback function namely Fast forward / backward, slow forward/backward, step forward/backward; and/or Playback with popular media players or with customized software (programmed by SDK), remote download via FTP, Removable disk tray, Serial Port 1, RS-232 isolated RJ-45 port, GPIO-Digital inputs 4, max. 8mA, Relay output 1, LED indicators with STAT system status, power on/off, HDD Storage disk status, V1 to v4 fault configuration, user level password protection, IP Address filtering, 802.1X authentication, Alarms - Video motion detection, video loss, scheduling, imaging-JPEG snapshots for pre/trigger/post alarm images, Email/FTP Automatic transfer of images; ONVIF Compliant.
10	DSKA003	Desktop CPU	DESKTOP	Intel Corei5 processor, 8GB RAM DDR3 memory scalable upto 32 GM, ECC memory modules support; min. 250GM 7200RPM HDD, NVIDIA 1GB Graphics card, USB Keyboard, USB Optical mouse, Onboard gigabit Ethernet, Min. 2 Nos. of PCI slots including 1 PCIe 3.0 x16, PCI3 2.0x16, min. 4USB2 ports, one Ethernet RJ-45 port, preloaded with licensed windows 7 pro, 90% engergy efficient EPEAT Gold certified power supply, UL, Energy star certification
11	MNTR001	LED Monitor	MONITOR	40" LED Monitor, 1920x1080 resolution, 5000:1(Native) and 100000:1 (Dynamic) contrast ratio, HDMI In, DVI In, VGA In, Component/ Composite, RS232C IN, LAN, Bright sensor and embedded media player, required accessories namely corrsion free brackets for wall mount, cables for HDMI, DVI of min. 15 mtrs length
12		ODM/OEM Requirement		OEM/ODM should have own R&D lab with all supported infrastructure, letter from respective OEM/ODM to be submitted confirming the same and live inspection shall be carried out if required by the Police Department. Product/product's manufactured by ODM/OEM should have been used for any one smart city project, certificate form respective smart city authority to be enclosed.
13	SWPE001	24P UTP + 2P Fibre POE Switch	24P POE SWITCH	24-Port PoE Switch with 24 UTP ports and 2 Mini GBIC Slot with Multicast feature 1GMP v1, v2, v3 snooping with 2K IGMP groups monitoring and port mirroring
14	SWPE002	4P UTP + 2P Fibre POE Switch	4P POE SWITCH	4-Port PoE Switch with 4 UTP Ports and 2 Mini GBIC slot with multicast feature 1GMP v1, v2, v3 snooping with 2K IGMP groups monitoring and port mirroring
15	SWPE003	8P UTP + 2P Fibre POE Switch	8P POE SWITCH	8-Port PoE Switch with 8 UTP Ports and 2 Mini GBIC slot with multicast feature 1GMP v1, v2, v3 snooping with 2K IGMP groups monitoring and port mirroring
16	SW04001	4P UTP Switch (W/O POE)	4P SWITCH	4 UTP Port Switch without PoE and Fiber slot 1GMP v1, v2, v3 snooping with 2K IGMP groups monitoring and port mirroring
17	SW08001	8P UTP Switch (W/O POE)	8P SWITCH	8 UTP Port Switch without PoE and Fiber slot 1GMP v1, v2, v3 snooping with 2K IGMP groups monitoring and port mirroring
18	SWIG001	4P UTP + 2P Fibre IG POE Switch	4P COMBO IG SWITCH	4-Port PoE Switch with 4 UTP Ports and 2 Mini GBIC slot for outdoor installation with multicast feature
19	SWIG002	8P UTP + 2P Fibre IG POE Switch	8P COMBO IG SWITCH	8-Port PoE Switch with 8 UTP Ports with 2 Mini GBIC slot for outdoor installation with multicast feature
20	SWIG003	8P UTP + 4P Fibre Combo IG POE Switch	8P+4P COMBO IG SWITCH	8-Port PoE Switch with 8 UTP Ports and 4 Fiber combo Mini GBIC slot for outdoor installation with multicast feature
21	SWIG004	4P IG Switch	4P IG SWITCH	4-Port UTP port for outdoor installation with multicast feature
22	FBRMDL1	Mini GBIC Module	GBIC MODEUL	Mini GBIC Module of same make of PoE Switch
23		PoE Switch Standards general specifications in addition to each of the above	SWITCH	4/8/16/24 port 10/100/1000 BASE-TX, 2 100/1000SFP or 2 Combo 10/100/1000 BASE-T or 100/1000 SFP; store & forwarding switch scheme; full/half-duplex for fast ethernet; Ethernet speeds; IEEE 802.3? standards; Green Technology; ONVIF; UL; CE; RoHS compliant; IEEE 802.3af, at Compliant; auto MDI/MDIX crossover;
24		Industrial PoE Switch General Specifications in addition to each of the above	IG SWITCH	PoE+Port compliant with IEEE 802.3af/at; combo ports for high bandwidth communication; operating temperature range from -40 to 75 deg C and storage temperature from -40 to 85 deg C; IEEE 802.1 & IEEE 802.3??; IGMP v1/v2, GMRP, GVRP, SNMPv1/v2c/v3, DHCP Server/Client, BootP, TFTP, SNTP, SMTP, RARP, RMON, HTTP, HTTPS,Telnet, SSH, Syslog, DHCP Option 66/67/82, EtherNet/IP, Modbus/TCP, LLDP, IEEE 1588 PTP V2, IPv6, NTP Server/Client;Fast Ethernet or PoE 10/100 Base T(x) slots
25	RK6U001	Rack 6U 19" Size	RACK 6U	19" standard EIA/NEMA rails; 32" max. equipment depth; ultra quiet with noise reduction; airflow fans with adjustable height legs (4); fully adjustable mouting rails;

COMMUNITY CCTV PROJECT

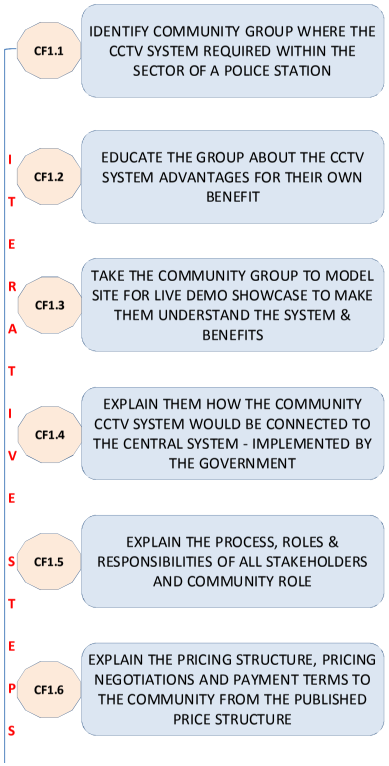
OPERATONS & MAINTENANCE (O&M) PROCESS OVERVIEW

March-2015 v1.0

CF1.0 COMMUNITY FORMATION PROCESS FLOW	1 Community Group identification and interactions 2 Education / Awareness Programs / Demo Site Visit 3 Readiness of Community group for CCTV Systems 4 Community Group formation & Documentation
OM2.0 ORDER MANAGEMENT PROCESS FLOW	1 CCTV System Need Identification 2 Camera Location Survey 3 Preparation of BoQ & Finalization 4 Invite RFQ from System Integrators & Finalization of RFQ 5 Finalization & Release of Purchase Order to SI for material supply
OF3.0 ORDER FULFILLMENT PROCESS FLOW	1 Material Supply by SI at Community Site 2 Receipt of Material and Quality Check conformance to Specs & PO 3 Check for any non-conformance and deviations as per PO/BOQ 4 Acceptance of the Consignment from SI
IC4.0 INSTALL AND COMMISSION PROCESS FLOW	1 Location wise installation of Camera setup 2 Cabling and Networking of the System 3 Setup and connectivity of the system at Control Room 4 Documenting the System Design and setup details 5 Testing of the System in complete working condition
AT5.0 USER ACCEPTANCE TEST PROCESS FLOW	1 Community, Sector SI & Sys. Admin performs the Acceptance Test 2 System Corrections by SI for any non-conformance & gaps 3 Provide demonstration to Community group for their acceptance 4 Sector SI & Sys. Admin performs final testing for Acceptance 5 Acceptance of the System & Handover the system to community
SM6.0 SUPPORT & MAINTENANCE PROCESS FLOW	1 Support & Maintenance for any breakdowns by SI 2 Period Predictive and Preventive Maintenace as per schedule 3 Daily Healthcheck of the system 4 User Management & Reporting 5 Incident Management System
OR7.0 OBSOLESCENCE AND REPLACEMENT PROCESS FLOW	1 Identification of faulty equipment for replacement 2 Replacement of equipment for any wear & tear or inferior quality 3 Redesign the system for any gaps or based on issues

COMMUNITY CCTV PROJECT

CF1.0 - COMMUNITY FORMATION PROCESS v1



CG	ACG	CR	SHO	AMD	SSI	SyA	SI	SOP*	PROFARMA	REMARKS
C-CONTROL; A-ACCOUNTABLE; R-RESPONSIBLE; S-SUPPORT; I-INFORMED										
I			A		R			Community Guidelines Document v1.0		
I			A		R					
I			A		R				Mahankali PS or as decided	
			A		R	S	S			
			A		R		S			
			A		R		S			

COMMUNITY CCTV PROJECT

CF1.0 - COMMUNITY FORMATION PROCESS v1

	CG	ACG	CR	SHO	AMD	SSI	SyA	SI	SOP*	PROFARMA	REMARKS
	C-CONTROL; A-ACCOUNTABLE; R-RESPONSIBLE; S-SUPPORT; I-INFORMED										
CF1.7 IF REQUIRED, INVITE EXPERTS FROM HYDERABAD COMMISSIONERATE TO INTERACT WITH THE TEAM AND PROVIDE MORE INFO. & PERSUASION				A				S			
CF1.8 REPEAT CF1.1 TO CF1.7 UNTIL THE COMMUNITY GROUP IS CONVINCED AND AGREED TO PARTICIPATE				C							
CF1.9 REFER EMPANELLED SYSTEM INTEGRATOR ENGAGEMENT & PRICE AGREEMENTS; BOUNDARY ALLOCATIONS FOR IMPLEMENTATION				A		R		S	Refer allocated emapanlled SI agreements & Price Contract		
CF1.10 FORM THE COMMUNITY GROUP AS PER AREA BOUNDARIES IN A SECTOR ENSURE MAXIMUM NUMBER OF INDIVIDUALS PART OF THE COMMUNITY GROUP	C			R		S			COMMUNITY GROUP FORMATION AGREEMENT	CG AGREEMENT TEMPLATE	
CF1.11 READY FOR CAMERA LOCATION SURVEY. REFER TO OM2.0 - ORDER MANAGEMENT PROCESS FLOW FOR NEXT STEPS						C					

COMMUNITY CCTV PROJECT

OM2.0 - ORDER MANAGEMENT v1

ITERATIVE STEPS

		CG	ACG	CR	SHO	ADM	SSI	SyA	SI	SOP*	PROFARMA	REMARKS
		C-CONTROL; A-ACCOUNTABLE; R-RESPONSIBLE; S-SUPPORT; I-INFORMED										
OM2.1	PLAN THE LOCATION SURVEY ALONG WITH STAKEHOLDERS (COMMUNITY GROUP REPRESENTATIVE, GROUND COMMITTEE TECHNICAL MEMBER, ALLOCATED SYSTEM INTEGRATOR WHERE REQUIRED)	C					A	S				
OM2.2	CONDUCT LOCATION SURVEY IN THE SECTOR AS IDENTIFIED. RECORD DETAILS IN THE **BoQ PROFARMA** BASED ON THE CRITICALITY AND SENSITIVITY	C		S			A	R		LOCATION SURVEY GUIDELINES 1.0	BOQ 1.0 TEMPLATE	Sector SI takes overall responsibility Details should be recorded mainly Location Geo coordinates, camera type, camera direction, purpose for the camera @ location etc.,
OM2.3	REVIEW THE SURVEY RESULTS WITH SHO, GROUND COMMITTEE, COMMUNITY GROUP, AND STAKEHOLDERS	I		S	I		A	R			DRAFT BOQ	Sys. Admin will assist Sector SI in performing the Survey
OM2.4	OBTAIN APPROVALS IN PRINCIPLE FROM THE STAKEHOLDERS AS PER OM2.3. **NOTE: IMPORTANT TO HAVE APPROVAL FROM COMMUNITY GROUP**	C		S	I		A	S			PRINCIPALLY APPROVED BOQ	
OM2.5	SEND THE **BOQ** TO THE ALLOCATED MULTIPLE **SYSTEM INTEGRATORS** INVITING FOR THEIR PARTICIPATION AND PROVIDING THE QUOTE	I		A			R	S	I			Sector SI should assist inviting the empanelled SI for participation based on the CCTV requirements (BOQ)
OM2.6	IF REQUIRED, ONE MORE REVIEW OF SURVEY SHOULD BE DONE WITH **SYSTEM INTEGRATORS** IN PRESENCE OF COMMUNITY REPRESENTATIVE FOR FINALIZING THE **BOQ** BY TAKING INPUTS FROM **SYSTEM INTEGRATORS**	C		I			A	R	S		REVISED BOQ AFTER INPUTS FROM SI's	Community group will decide how many Allocated System Integrators should be called for providing quote
OM2.7	REVISE THE **BOQ** BASED ON SURVEY FEEDBACK FROM **SYSTEM INTEGRATORS**, PREPARE FULL LIST OF ITEMS IN BOQ FOR COMMUNITY APPROVAL	C		R			A	R	S		BOQ FOR APPROVAL	System Integrator should guide the Community Rep, Sector SI & Sys Admin in identifying the full list of items including consumables (complete list)

COMMUNITY CCTV PROJECT

OM2.0 - ORDER MANAGEMENT v1

ITERATIVE STEPS

	CG	ACG	CR	SHO	ADM	SSI	SyA	SI	SOP*	PROFARMA	REMARKS
	C-CONTROL; A-ACCOUNTABLE; R-RESPONSIBLE; S-SUPPORT; I-INFORMED										
OM2.8 **FINALIZED BOQ** COMMUNITY GROUP APPROVAL AND ADVISE FOR SELECTION OF **SYSTEM INTEGRATORS** FOR INVITING **REQUEST FOR QUOTATION (RFQ)**	C		A			A	R	S		BOQ APPROVED	Sector-SI & Sys. Admin should assist Community for any queries or guidance for getting the System Integrators involved for Request for Quotation (RFQ)
OM2.9 COMMUNITY REPRESENTATIVE SENDS **APPROVED BOQ** TO EITHER ALL OR SELECTIVE **SYSTEM INTEGRATORS** FOR INVITING **RFQ**	C		R	I		S	I	I		RFQ RECEIVED	Sys. Admin assist the Community in getting the RFQ from System Integrators
OM2.10 SYS. ADMIN VALIDATES ALL **RFQs** RECEIVED FROM **SYSTEM INTEGRATORS** FOR ITS CORRECTNESS & COMPLETENESS WITH **BOQ & PRICE RATE CONTRACT** IF ALL PROCEDURES FOLLOWED BY **SYSTEM INTEGRATORS**	C		R			A	R	S	RATE CONTRACT AGREEMENT	VALIDATED / CORRECTED RFQs	Sys. Admin validates RFQ's with BOQ & RC for any corrections required from System Integrators & advise Community Representative for negotiations in order of lowest quote
OM2.11 COMMUNITY GROUP/REPRESENTATIVE NEGOTIATES WITH **SYSTEM INTEGRATORS** FOR FURTHER NEGOTIATIONS AND FINALIZES PARTICULAR **SYSTEM INTEGRATOR** WHO PROVIDES THE LOWEST QUOTE POST NEGOTIATIONS	C		A			S	S	R		FINALIZED RFQ	Sys. Admin / Sector SI helps in negotiations by providing relevant inputs on the Rate Contract & Payment Terms. Ensure that the finalized RFQ will not deviate from the Rate Contract & Terms & Conditions
OM2.12 COMMUNITY REPRESENTATIVE PREPARES THE **PURCHASE ORDER (PO)** WITH PAYMENT TERMS & CONDITIONS BASED ON THE **FINALIZED RFQ** WITH COMPLETE SCOPE FOR REVIEW BY SYS. ADMIN	C		R			S	S	R	PURCHASE ORDER GUIDELINES 1.0	DRAFT PURCHASE ORDER	Sys. Admin assists Community Representative in understanding Rate Contract terms & conditions for preparing PO
OM2.13 SYS. ADMIN VALIDATES **DRAFT PO** FOR ITS CORRECTNESS & COMPLETENESS WITH **BOQ & PRICE RATE CONTRACT** IF ALL PROCEDURES FOLLOWED IN PREPARING THE PO AND FORWARD TO COMMUNITY GROUP FOR RELEASE TO **SYSTEM INTEGRATOR**	C		I			A	R	R		VALIDATED PO	Sys. Admin & Sector SI validates and clears the PO for Community approval and release to System Integrator
OM2.14 COMMUNITY GROUP APPROVES THE **VALIDATED PO** AND READY FOR RELEASE OF **PO** TO **SYSTEM INTEGRATOR**	C		A	I		S	S	R		APPROVED PO	Sys. Admin assists Community Representative in understanding Rate Contract terms & conditions for preparing PO

COMMUNITY CCTV PROJECT

OM2.0 - ORDER MANAGEMENT v1

STEPS	CG	ACG	CR	SHO	ADM	SSI	SyA	SI	SOP*	PROFARMA	REMARKS
	C-CONTROL; A-ACCOUNTABLE; R-RESPONSIBLE; S-SUPPORT; I-INFORMED										
OM2.15 COMMUNITY REPRESENTATIVE PRINTS THE **APPROVED PO** IN TWO HARD COPIES; PO HARD COPY SIGNED BY AUTHORIZED PERSON FROM COMMUNITY GROUP	I	C	R			S	S	R		SIGNED PO	Sys. Admin & Sector-Si witnesses the entire PO process
OM2.16 COMMUNITY REPRESENTATIVE RELEASES THE **SIGNED PO** TO **SYSTEM INTEGRATOR** WITH ANY ADVANCE PAYMENT AS PER TERMS NEGOTIATED AND AGREED (NOT EXCEEDING 25% OF TOTAL ORDER VALUE)	I		A	I		S	S	R		PO SIGNED HARD COPY	Sys. Admin & Sector SI ensures the PO is released to System Integrator; copy of it also received by Ground committee; payment terms; installation & commissioning; any extra material (not part of RC) should be critically reviewed
OM2.17 SYS. ADMIN UPLOADS THE PO HEADER DETAILS & PO VALUE IN THE **TICKET SYSTEM** FOR RECORDS. COMMUNICATES TO ALL STAKEHOLDERS ABOUT THE RELEASE OF **PO**	I		S	I		A	R	S		FINAL SIGNED PO	Sys. Admin uploads and communicates to other system integrators & stakeholders
OM2.18 SYS. ADMIN MAINTAINS THE RECORDS OF ENGAGEMENT AGREEMENT; APPROVED BOQ; SIGNED PO; (FINAL BOQ & PO ENTERED IN EXCEL SHEET)	I		I	I		A	R		RECORD MAINTENANCE GUIDELINES	MAINTENANCE OF RECORDS	Sys. Admin maintains the records in detail as per template about approved BOQ; Signed PO
OM2.19 REFER TO OF3.0 - ORDER FULFILLMENT PROCESS FLOW FOR NEXT STEPS											

COMMUNITY CCTV PROJECT

OF3.0 - ORDER FULFILLMENT v1

ITERATIVE STEPS

	CG	ACG	CR	SHO	ADM	SSI	SyA	SI	SOP*	PROFARMA	REMARKS
	C-CONTROL; A-ACCOUNTABLE; R-RESPONSIBLE; S-SUPPORT; I-INFORMED										
OF3.1 SYSTEM INTEGRATOR INFORMS THE COMMUNITY ABOUT THE MATERIAL DATE OF DELIVERY 7 DAYS IN ADVANCE KEEPING SYS. ADMIN KEEPING IN LOOP			I	I		I	I	A			System Integrator informs the date of delivery. Community group should be ready with the place for material to store on receipt
OF3.2 COMMUNITY REPRESENTATIVE RECEIVES THE MATERIAL IN PRESENCE OF SYS. ADMIN FROM SYSTEM INTEGRATOR EITHER IN PARTS OR COMPLETE CONSIGNMENT	I		A			I	I	R	RELEASED PO	DELIVERY CHALLAN / INVOICE	Community Representative should inform Sys. Admin at the time of receipt of material to check each item delivered against the released PO to match the supply as per specs & terms
OF3.3 SYS. ADMIN VALIDATES THE CONSIGNMENT AS PER RELEASED PO; INFORMS SYSTEM INTEGRATOR & COMMUNITY REPRESENTATIVE FOR BAD / SHORT SUPPLY OR ANY DEVIATIONS	I		A			R	R	S		VALIDATED INVOICE OR DC	Sys. Admin should identify and inform community representative & system integrator for any deviations or short supply. Record the comments on the document
OF3.4 SYS. ADMIN CERTIFIES THE CONSIGNMENT FOR ACCEPTANCE AND INVENTORIZE IN THE STORE BY COMMUNITY REPRESENTATIVE	I		R			A	R	S		DELIVERY CHALLAN (DC) / INVOICE	Sys. Admin signs on the System Integrator DC/Invoice and advise/help the Community Representative for acceptance of material & store;
OF3.5 SYSTEM INTEGRATOR SUPPLIES ENTIRE MATERIAL AS PER THE RELEASED PO TO THE COMMUNITY REPRESENTATIVE KEEPING SYS. ADMIN IN LOOP	I		R			S	S	A		RELEASED PO / INVOICE OR DC	Sys. Admin signs on the System Integrator DC/Invoice and advise/help the Community Representative for acceptance of material & store;
OF3.6 SYS. ADMIN VALIDATES THE FINAL INVOICE/DC FOR THE FINAL CONSIGNMENT AS PER RELEASED PO AND ADVISES THE COMMUNITY REPRESENTATIVE FOR PART PAYMENT AS PER NEGOTIATED PAYMENT TERMS IF IT IS IN ORDER	I		R			A	R	S		REVISED BOQ AFTER INPUTS FROM SI's	Sys. Admin validates the complete consignment and advises for acceptance of material and advised part payment as per terms
OF3.7 SYS. ADMIN GUIDES AND ADVISES COMMUNITY REPRESENTATIVE TO ENSURE PROPER ACCEPTANCE & INVENTORIZE THE ITEMS INTO STORE FOR SAFETY AND SECURITY. SECTOR-SI IS AUTHORIZED TO REVIEW AND	C		A			S	S	R			System Integrator should guide the Community Rep, Sector SI & Sys Admin in store and safegaurd the items received
OF3.8 COMMUNITY REPRESENTATIVE PREPARES THE PAYMENT CHEQUE FOR THE COMMUNITY GROUP APPROVAL ON THE SYSTEM INTEGRATOR BASED ON SECTOR-SI ADVISE	I	C	A			S	S	R		CHEQUE PAYMENT	Installation & Commissioning payment will be done on 100% only subject to acceptance of the system after the I&C
OF3.9 SYS. ADMIN MAINTAINS THE RECORDS OF INVOICE & PO STATUS (SUPPLY & PO STATUS ARE ENTERED IN EXCEL	I		I			A	R		RECORD MAINTENANCE GUIDELINES	MAINTENANCE OF RECORDS	Sys. Admin maintains the records in detail as per the supplies. Based on the supplies, PO status is maintained for MIS
OF3.10 REFER IC4.0 - INSTALL & COMMISSION PROCESS FLOW FOR NEXT STEPS											

COMMUNITY CCTV PROJECT

IC4.0 - INSTALL AND COMMISSION v1

ITERATIVE STEPS

	CG	ACG	CR	SHO	ADM	SSI	SyA	SI	SOP*	PROFARMA	REMARKS
	C-CONTROL; A-ACCOUNTABLE; R-RESPONSIBLE; S-SUPPORT; I-INFORMED										
IC4.1 SYSTEM INTEGRATOR INFORMS THE COMMUNITY REPRESENTATIVE, SECTOR-SI, & SYS. ADMIN ABOUT THE COMPLETION OF MATERIAL SUPPLY AND READY FOR INSTALLATION	I		I	I		I	I	A			Community Representative should inform the system integrator to start the installation & commissioning keeping Sector-SI & Sys. Admin in loop
IC4.2 COMMUNITY REPRESENTATIVE UNDER THE SUPERVISION OF SYS. ADMIN ISSUES THE PART OR ENTIRE MATERIAL WITH OWNERSHIP TRANSFER TO SYSTEM INTEGRATOR FOR INSTALL & COMMISSION BY SEEKING THE SIGN-OFF ON ISSUE NOTE	I		A			S	S	R		ISSUE NOTE	System Integrator takes the responsibility of all material issued. Transfers the material in their storage. Sys. Admin plays a critical role in I & C
IC4.3 SYSTEM INTEGRATOR PROVIDES THE SCHEDULE PLAN TO THE COMMUNITY REPRESENTATIVE AND SYS. ADMIN FOR THE INSTALLATION OF EQUIPMENT AS PER BOQ TEMPLATE WHERE LOCATION DETAILS ARE AVAILABLE	I		R			S	S	A		PROJECT PLAN	Sys. Admin under the guidance of Sector-SI in supporting/advising the System Integrator during the I & C
IC4.4 SYSTEM INTEGRATOR ENSURES THE INSTALLATION IS COMPLETED AS PER BOQ & SCHEDULE PLAN TO MEET THE REQUIREMENTS	I		S			R	R	A		PROGRESS REPORTING	System Integrator will have frequent interactions, decisions from time to time based on the issues faced and possible alternate options available
IC4.5 SYSTEM INTEGRATOR COMMSSIONS THE SYSTEM AND TESTING IS DONE FOR COMPLETENESS AND CORRECTNESS	I		S			R	R	A		DEFECTS LOGGED IN TICKET SYSTEM	System Integrator's responsibility to ensure that the adequate care taken meeting the scope; specs and other terms post installation & testing of the equipment
IC4.6 ANY ISSUES CROP UP DURING INSTALLATION, COMMISSIONING OR TESTING SHOULD BE SOLVED BY THE SYSTEM INTEGRATOR	I		S			S	S	A		FINAL TEST REPORT WITH COMPLETION STATUS	System Integrator prepares the final test report when the entire project scope finished
IC4.7 SYSTEM INTEGRATOR ENSURES ADEQUATE TESTING AND OFFERS FOR ACCEPTANCE TEST TO THE COMMUNITY REPRESENTATIVE, SECTOR-SI AND SYS. ADMIN; SUBMITS THE FINAL TEST REPORT	I		S			S	S	A			System Integrator offers the entire system for Acceptance Test along with Final test report
IC4.8 SYS. ADMIN MAINTAINS THE RECORDS OF INSTALLATION & COMMISSIONING STATUS FOR MIS	I		S			A	R	S			
IC4.9 REFER AT5.0 - USER ACCEPTANCE TEST PROCESS FLOW FOR NEXT STEPS											

COMMUNITY CCTV PROJECT

AT5.0 - USER ACCEPTANCE TEST v1

ITERATIVE STEPS

		CG	ACG	CR	SHO	ADM	SSI	SyA	SI	SOP*	PROFARMA	REMARKS
		C-CONTROL; A-ACCOUNTABLE; R-RESPONSIBLE; S-SUPPORT; I-INFORMED										
AT5.1	**SYSTEM INTEGRATOR** INFORMS THE COMMUNITY REPRESENTATIVE, SECTOR-SI, & SYS. ADMIN ABOUT THE COMPLETION OF INSTALLATION, COMMISSIONING AND TESTING AND READINESS FOR ACCEPTANCE TEST	I		I			I	I	A			Sector-SI and Sys. Admin takes the lead in the Acceptance test. Validate the complete installation as per the guidelines and domain requirement
AT5.2	SECTOR-SI AND SYS. ADMIN JOINTLY PERFORMS THE ACCEPTANCE TEST. SECTOR-SI FOCUSES MORE FROM THE DOMAIN PERSPECTIVE AND SYS. ADMIN FOCUSES ON THE SCOPE OF THE SYSTME AND TECHNOLOGY PERSPECTIVE	I		A			R	R	S			Sector-SI should ensure that the cameras views are as per domain requirement and able to get critical views and images. Sys. Admin should focus more on the complete system commissioned as per BOQ/PO and other terms
AT5.3	SECTOR SI SHOLD FOCUS ON - CAMERA VIEW & ANGLE; IMAGE QUALITY LIVE/RECORDED HELPS THE DEPT. PERSPECTIVE; ABLE TO VIEW CLEARLY THE VEHICLES/PERSONS OR OTHER ASPECTS;	I		R			A	R	S		DEFECTS LOGGED IN TICKET SYSTEM	Sector-SI should highlight the gaps or deviations for corrections prior to approval in presence of Community representative
AT5.4	SYS. ADMIN SHOULD FOCUS MORE ON - WORKMANSHIP ON THE SYSTEM COMMISSIONING; MATERIAL USED AS PER BOQ/PO; ABLE TO RECORD THE IMAGES; SETTINGS DONE AT CAMERA;NVR, OPTIMAL USAGE OF BANDWIDTH/ STORAGE; ALL ASPECTS OF TECHNICAL; NO DEVIATIONS OBSERVED	I		R			A	R	S		DEFECTS LOGGED IN TICKET SYSTEM	Sys. Admin should highlight the gaps and deviations for corrections prior to approval in presence of Community representative
AT5.5	REFER IC4.0 - INSTALL & COMMISSION PROCESS FLOW FOR ANY CORRECTIONS OR DEVIATIONS; REPEAT IC4.1 ONWARDS	I		A			R	R	S		DEFECTS LOGGED IN TICKET SYSTEM	System Integrator's responsibility to ensure that the adequate care taken meeting the scope; specs and other terms post installation & testing of the equipment
AT5.6	**SYSTEM INTEGRATOR** OFFERS FOR RETESTING AGAIN DULY CORRECTED GAPS AND DEVIATIONS TO SECTOR SI / SYS. ADMIN	I		R			A	R	R		UPDATED TICKET SYSTEM WITH STATUS	Sector SI & Sys. Admin retests again to ensure that the gaps & deviations are corrected before inviting the Community Representative
AT5.7	SECTOR SI & SYS. ADMIN JOINTLY RETESTS AGAIN ON THE CORRECTIONS AND OTHER ASPECTS. WHEN SATISFIED BY BOTH, THEY INVOLVE COMMUNITY REPRESENTATIVE TO DEMONSTRATE THE COMPLETE SYSTEM TO THEIR SATISFACTION	I		R			A	R	S		FINAL TEST REPORT WITH COMPLETION STATUS	Sector SI takes the lead inviting the community representative for final validation of the system for approval in principle and prepares the final test report with status

COMMUNITY CCTV PROJECT

AT5.0 - USER ACCEPTANCE TEST v1

		CG	ACG	CR	SHO	ADM	SSI	SyA	SI	SOP*	PROFARMA	REMARKS
		C-CONTROL; A-ACCOUNTABLE; R-RESPONSIBLE; S-SUPPORT; I-INFORMED										
AT5.8	SECTOR SI INVITES COMMUNITY GROUP FOR DEMONSTRATING THE SYSTEM FOR THEIR UNDERSTANDING AND APPROVAL IN PRINCIPLE	C		A			A	R	S			Community groups approves the system to Sector-SI for further actions if no deviations or gaps highlighted by community for correction
AT5.9	SECTOR-SI JOINTLY WITH SYS. ADMIN APPROVES THE SYSTEM AFTER GETTING THE COMMUNITY GROUP APPROVAL IN PRINCIPLE;	I		I			A	R	S			Approval based on the Community group approval in principle
AT5.10	**SYSTEM INTEGRATOR** PREPARES THE ACCEPTANCE REPORT PROVIDING THE DETAILS OF THE SYSTEM COVERS LOCATION OF CAMERAS; FIELD & CONTROL EQUIPMENT DETAILS SUCH AS MODEL NO, SERIAL NO, APPROVED DATE & CRITICAL INFORMATION	I		R			A	R	R			
AT5.11	SECTOR SI & SYS. ADMIN REVIEWS THE HANDOVER REPORT PREPARED BY **SYSTEM INTEGRATOR** FOR SIGN-OFF AND TAKE-OVER THE OWNERSHIP OF THE SYSTEM	I		R			A	R	S		APPROVED ACCEPTANCE TEST REPORT	
AT5.12	SYS.ADMIN & COMMUNITY REPRESENTATIVE TAKES OVER THE REPORTS; DOCUMENTS; SOFTWARE STACK; LICENSES AND PRODUCT RELATED SOFT AND HARD COPIES IN THEIR CONTROL AND STORE PROPERLY	C		A			R	R	S			
AT5.13	**SYSTEM INTEGRATOR** HANDSOVER THE OWNERSHIP OF THE SYSTEM IN COMPLETE WORKING CONDITION. THUS THIS STEP ENABLES THE WARRANTY PERIOD FORM THIS POINT UNDER '**SUPPORT & MAINTENANCE** ' PERIOD.	C		A			R	R	R			Handover process peforms under the guidance and advise of Sector SI and Sys. Admin where they ensure the process is in right direction and complete
AT5.14	REFER AT5.0 - USER ACCEPTANCE TEST PROCESS FLOW FOR NEXT STEPS											

COMMUNITY CCTV SYSTEM

SYSTEM & PROCESS OVERVIEW

March-2015 v1.0

RESPONSIBILITY CHART	**C**	**CONTROL -** Complete ownership and Approval of the System
	A	**ACCOUNTABLE -** End-to-End accountability of activities / tasks; Complete delivery responsibility; Assigns the tasks; Performs own tasks & deliver
	R	**RESPONSIBLE -** for successful completion of assigned tasks /activities; resolves conflicts as much as possible; escalates important issues
	S	SUPPORT - provide support where required or any assigned tasks directly / indirectly
	I	INFORMED - required to be informed of the activities / decisions / results where applicable
ROLES & RESPONSIBILITY	**CG**	Community group who is responsible for financial contributions and payment; ownership of the CCTV System
	ACG	Authorized Signatory as designated by the Community group who is responsible for payments or any agreements sign-off - Responsible for all decisions
	CR	Community Representative as designated by the Community group who manages day-to-day activities under their guidance and provide support to SI, SSI, SyA and others to perform daily tasks
	SHO	Respective Station House Office (Police Inspector) who oversee the implementation of Systems in community; Guides the Ground Committee where required; Directly responsible for success of CCTV implementation in the community
	ADM	Admin SI is part of the Group Committee as convenor, responsible for coordination with multiple SSI; plan & track the impllemnetation in multiple sectors in PS; conflict resolution; change management; manages SSI in delivery and implementation of the System
	SSI	Sector SI is part of Group Committee who is responsible in their own sector; Single point of contact with the community; interfaces and interacts with the community; direct responsible for implementation of System in their own sector; Ensures the delivery & implementation of the projects done under their leadership. SSI is responsible for overall activities particulary directly for domain related activites where involves with community for all activities
	SyA	System Administrator (Sys. Admin) is responsible for all technical aspects of the system; part of ground committee; works directly in collaboration with Sector SI; Indirectly reports to SSI administratively but functionally reports to Technology team; Ensures proper implementation of technology; checks and balances of the technology supplied, adopted and commissioned; health check of the systme on a daily basis ensuring the equipment meeting the specifications as defined in Rate Contract; BOQ & PO
	SI	System Integrator is allocated to Police Stations / divisions / zones based on their capabilities; directly responsible for design, supply, install, commission, test, support & maintenance of the system for comprehensive 5-year warranty period