

## Corrigendum

### General and financial issues

1. Last date and time of bid submission is on 18<sup>th</sup> Feb 2015 at 3 PM
2. Consortium bidding not allowed.
3. Bank Guarantee is not acceptable for EMD.
4. Bidders whose EMD for the earlier bid is with the tenderer need not submit emd again. However they will have to submit the tender cost of Rs 10,500/- again as mentioned in the RFP volume II CLAUSE NO 3.2.2.
5. Eligibility:
  - a) The turnover and net worth requirement mentioned in The Financial Capability-A in RFP VOL-II, page-20 is Rs 10crore and Rs 05 crore respectively for financial years 2011-12 ,2012-13 and 2013-14. The relevant entries in table F-10 on page -42 may be amended accordingly.
  - b) The minimum camera requirement mentioned should be read as 50 instead of 100.
6. Please submit a copy of all the volumes of RFP and this corrigendum along with your bid as an acceptance of all the technical, financial, procedural and legal terms and conditions governing the bid.
7. The winning bidder will be expected to make his trained personnel available round the clock on site at least for the first year after commissioning of the command and control centre so that there is no compromise in security arrangement for major events due to any break down.
8. Please submit a copy of all the volumes of RFP and this corrigendum along with your bid as an acceptance of all the technical, financial, procedural and legal terms and conditions governing the bid.
9. Payment of connectivity charges and recurring charges for services availed from service providers including power connection, telecom connectivity and sim cards will not be in the scope of the work of the system integrator. However the responsibility of liaisons with them during the installation and then for the project duration will be with the system integrator.
10. The selected bidder will have to sign an agreement with the user whose draft is attached as **Annexure II** to this document. The contents of the clauses of this document will override any other clause in any other document issued during the bidding process for this project including the different volumes of the RFP.
11. The comparison of the offers will be made on the basis of life time cost of the project. The lifetime of the project will be taken as 7 years. The discounting factor for calculating the NPV is taken as 9 percent.
12. The project value for which the work order is to be issued will be the sum of supply, installation, operation and maintenance of the supplied system for 5 years as decided by the user. All payments mentioned in the Payment schedule will be made as percentage of that value only. Annexure I contains the updated BOQ incorporating the revised requirement.

13. After the operation and maintenance period is over the System Integrator will sign AMC agreements with the Superintendent of Police at Puri who is the user of the system, at the value mentioned in the bid.
14. It will be the responsibility of the System Integrator to get the permissions. Tendering Authority will help facilitation.
15. Clause no 1.15.2, 1.15.4,1.15.5 of RFP VOL 3 are deleted.
16. Maximum Liquidated damage is changed to 10 percent.
17. The power and water provision will be made at control room. At remote sites the contractor will have to make arrangements along with security till the site is handed over to the user.

### **Technical**

1. Wireless communication and Smart phones deployment are some of the elements of workforce management.
2. Only one satellite image and vector map would be required for the GIS.
3. There will be a Single principal control room at Town police station where all integration will be carried out. There will be two regional control rooms at Kumbharpada and the Temple where feeds from selected cameras will be displayed.
4. The cameras for the PCR vans will be analogue and not IP cameras. Similarly, DVR will be used in place of DVR. The specification is given below. Each PCR van will have 4 cameras fitted to a DVR. The system will be powered by the battery of the vehicle.

#### **DVR specifications**

5.

<b>Sl no</b>	<b>Name</b>	<b>Requirement</b>	<b>Comply Yes/No</b>
1	Input	4 channel for both video and Audio inputs	
2	Storage	1 TB minimum with use of appropriate hard disk	
3	Control	IR remote control or USB mouse,	
4	Playback Search	Time/date, event search	
5	Video Compression	H 264	
6	System Warnings	System fail LED : HDD full, HDD/Sys Temp, Fanfail, HDD fail LED : HDD power off, HDD failure	
7	File export Interfaces	RS-232 x 2, RS-485, USB x 3, GPS port, RJ45	
8	Power Source	10V~36VDC (Built in surge protection, voltage regulation, programmable Delay On/Off relative to ignition or other switched voltage)	

9	Mobile van operation	The hardware supplied must be specific for mobile van operation and rugged enough to handle vibration. It must have suitable image stabilization features to provide protection against vibration.	
10	Special features	The DVR should have capability to be matched to a GPS device to meet future GPS related requirements	
11	Certification	U/L	
12	Temperature	Operating Temp 0°C~55°C/	

6. **The markers for special locations in GIS maps** such as polygons for bus stands are indicative only. 8 layers are required to be added and each should be clearly discernible from others. The bidder may use its own system but the scheme of depiction must be clearly mentioned while delivering the final map.
7. The bidder must submit the following information along with its bid in relation to the equipment offered to establish radio connectivity.
  - Make and model of the equipment with certificate of approval from the concerned authority which has allowed the equipment to be used in india for security and surveillance purpose must be submitted with the bids.
  - Please submit a detailed write up outlining the in-built provisions for security of the signal being transmitted by the equipment from hackers.
  - Please submit an undertaking in the format attached here as annexure B along with your technical bid.
8. Please include the cost of supplying a 64 bit encryption system for the radio signals. The price should be mentioned in the miscellaneous section of the BOQ.
9. ANPR cameras number will be two per lane. There are four crossing for ANPR and controller mentioned in BOQ will be the 4 no. workstation to cater to all cameras in these locations. Additional quantity of ANPR cameras to be deployed for the purpose beyond the ones to be used for surveillance as mentioned in BOQ.
10. **Video Management Software:**The following corrections may be incorporated.
  - Clause on concurrent licenses deleted.
  - All systems and subsystems including VMS must comply to ONVIF-S profile. The recording server must have a minimum capability of handling 60 cameras simultaneously. Minimum 2 monitors are acceptable
  - Cameras licenses must not be tied to MAC IDs in any way. It user must be able to replace one camera at a particaul location with another camera without taking a fresh license.
  - It will support both video and audio playback together.
  - RFP 1 PAGE 59, CLAUSE 8.1 . The PTZ cameras and fixed cameras motion detection capability is removed.

11. RFP Vol-I Dial 100 / General  
There is no existing set up. 10 call takers are required who will also be the dispatchers and one will be supervisor..5 vehicles which are the PCR vans are to be deployed.
12. RFP Vol-I Page no. of RFP/Clause No of RFP 37/ 6.a.2.37: The system must have the capability to upload the stored recording to the central storage without operator intervention once the connectivity to a camera is restored.
13. Integrated Video Analytics: RFP volume I:  
Clauses 17, 19, 22,24, 28 are deleted.. The other clauses in the same section under the heading Fetures of video analytics are retained.  
Dial 100 server will be created by using VMWARE from main server.
14. ANPR: The IR can be external or inbuilt with photo sensor which will work as per ambient conditions.
15. RFP Vol-I : Page no. of RFP/Clause No of RFP, 57/ 7Annexure 2  
Since an EPABX IS AVAILABLE and networked terminals are to be used by operators the SI must provide for operators to talk to each other.
16. All cameras must have 64 GB storage by SD card or On board by any means.
17. The lesn 3-9 mm replaced by 2.8 to 12 mm.or better
18. Any 3 of the four certification mentioned din clause 8.2 , page 60 RFP 1 must be provided.
19. RFP Vol-I Page no. of RFP/Clause No of RFP/ page 62 / 8. Annexure 3 –  
The following changes to be included in Primary server specification:
  - Sever should have Intel Xeon 2600 V3 series with each processor having at least 10 core at least 2.3 GHZ AND AT LEAST 25 MB Cache.
  - Intel C600 SERIES chipset may be used in palce of specified one.
  - **64 GB DDR4 ECC Memory, Upgradable to 384 GB**
  - **The requirement is 2X Intel Xeon 2600 V3 series , with each processor having at least 10 core , at least 2.3 GHz speed and 25 MB cache**
  - Alerting and notifications are now a days via remote management port. Server should send an alert notification on the system front pannel for failure of any component like Processors, vottage regulator modules(VRMs), memory, power supplies, fans, HDDs, adapters and system temperature which will allow system administrator to identify the component failure or via remote management port for the notification area.
  - **The requirement to be read as Quad port Ethernet, WAKE ON LAN, PXE 2**
20. RFP VOLUME 1 **Tables 8.10 And 8.11 Are Dropped** As They Will Be Using The Hardware In Table 8.2 In The Same Volume.
21. Clause 8.6 of storgae system deleted.
22. Video wall: No change in resolution requirement and physical size.
23. Video wall 55 inches cube can have Ethernet control.
24. MDT requirement is one per PCR. Included in BOQ.

25. SMF battery acceptable.
26. VLAN requirement is one per site. Fibre module requirement is 1310 nm at remote site and 1550 at control room.ORE
- 27.

## Annexure I

### Revised BOQ - Puri City Surveillance

**Note:**

1. All rates to be quoted in Indian Rupees only. Please mention in word the total of each row of the line item in the remarks column. It must include all taxes and charges, cost of items and services but only for 1 unit of the item.
2. Quoted prices must include all costs and charges including freight and insurance till the user's premises and unloading there. Please show these charges in the other charges column.
3. Prices quoted should give the clear break up of cost of material and installation/preparation charges.
4. Please note that your bid must take into account all products and services required to meet the techno functional deliverables specified in the RFP documents. If some item is required as per your judgement but is missing from the lines in the BOQ here then please add it in the Miscellaneous column marked E. It applies to software, hardware and services.
5. Please quote per unit price only providing full information for each row. The quantity mentioned in the column with the heading "Tender Quantity" are indicative only and may be increased or reduced by up to 20 percent while placing the order.
6. Please specify the items that are to be mentioned in the miscellaneous group individually, one line for each item.
7. Quoted Training and AMC charges must be exclusive of service taxes. However the service tax and the VAT on components must be clearly and separately indicated.
8. **AMC:** Please mention comprehensive on site AMC charges including spares and components.
9. **Please quote only Lump sum** figures for items wherever instructed in the BOQ which includes Fire Detection, Access Control & CCTV monitor and Fire Control too. Please do not quote in the rows where the instruction not to write anything is mentioned. The items and the quantities mentioned in those rows are indicative and not exhaustive.

10. Please ensure that each location in a row where an entry is expected must have a figure which includes Zero too. If you leave any location where a figure should be there as blank then the user reserves the right to reject the bid as non responsive or put any value that may be considered suitable to arrive at a fair evaluation.
11. Please avoid including entries for one row with the entries in another row.
12. No C form , D form or any other form will be provided. Way bills also will not be issued by the user. This implies that items cannot be quoted with CST rates.

SI no	ITEM DESCRIPTION	QTY	Unit	Cost per unit		TAXES			Remark/comment
				Item	Installation charges	VAT	Service tax	Other charges	
<b>A. Command and Control Solution</b>		<b>Please do not write anything here</b>							
<b>1. Hardware and software</b>		<b>Please do not write anything here</b>							
1	Primary Server & failover Servers	6	Nos						
2	VMWare to run on all 4 primary servers above	1	set						
3	Workstation (PCs)	<b>Please do not write anything here</b>							
<i>3.a</i>	<i>PC Workstation as per specs</i>	15	Nos						
<i>3.b</i>	<i>Display Monitors 17"</i>	30	Nos						
4	UPS	<b>Please do not write anything here</b>							
<i>a</i>	<i>20 KVA - Online UPS for control room</i>	2	Nos						
<i>b</i>	Batteries for 1 hr back up	1	set						
5	L3 Managed Switch	<b>Please do not write anything here</b>							
	<i>24P 10/100/1000, SFP 4 X 1000Base X, 2 x SFP 10G populated</i>	3	Nos						
6	Video wall -	<b>Please do not write anything here</b>							
<i>a</i>	<i>71" -73 "x 4 DLP cubes with cables and other accessories for town PS</i>	1	Nos						
<i>b</i>	<i>55"x24 Thin bezel cubes with cables and other accessories as</i>	1	nos						

	<i>per specification for Kumbharpada</i>								
7	Industrial grade L2 Switch 6 Port with POE	<b>Please do not write anything here</b>							
	<i>10/100TX: RJ-45 x 4/8 PoE, SFP Combo: RJ-45 x 2 OR 100/1000 SFPx 2</i>	40	Nos						
8	<i>Server grade PC as specified for temple control room , kumbharpada and at SP office</i>	3	No						
9	Preparation of GIS base map with 8 layers <i>added</i>	1	Set						
10	Firewall	2	Nos						
11	EPABX , as specified with 30 LINES and accessories for use in Dial 100 system	1	No						
<b>2</b>	<b>Fire Detection</b>	<b>Please do not write anything here</b>							
2.a	<b>Fire Detection.</b>	LS	SET						
<i>a.1</i>	<i>Analog Addressable Fire Alarm Panel</i>	<i>1</i>	<i>Nos.</i>	<b>Please do not write anything here</b>					
<i>a.2</i>	<i>Multi sensor Detectors.</i>	<i>40</i>	<i>Nos.</i>						
<i>.a.3</i>	<i>Manual Call Points</i>	<i>20</i>	<i>Nos.</i>						
<i>.a.4</i>	<i>Manual Abort</i>	<i>2</i>	<i>Nos.</i>						
<i>a.5</i>	<i>Manual Release Station</i>	<i>2</i>	<i>Nos.</i>						
<i>.a.6</i>	<i>Isolator Modules</i>	<i>4</i>	<i>Nos.</i>						
<i>a.7</i>	<i>Relay Output Device (Control Modules)</i>	<i>2</i>	<i>Nos.</i>						
<i>a.8</i>	<i>Hooter: output 86-90dBA</i>	<i>20</i>	<i>Nos.</i>						
<i>a.9</i>	<i>Cable 2 c*0.5 Sqmm FRLS</i>	<i>300</i>	<i>Mtr</i>						
<b>3</b>	<b>Access Control and CCTV monitor</b>	<b>Please do not write anything here</b>							
		Q T y	Uni t	Cost per unit	TAXES	Q T y	Unit	Cost per unit	
<b>a</b>	<b>Access Control</b> - The main entrance door shall have fingerprint verification unit with proximity card for 50 persons. Other doors to have proximity card based access system for 100 or more number persons								
<i>.a.1</i>	<i>Network Server</i>	<i>1</i>	<i>Nos.</i>	<b>Please do not write anything here</b>					
<i>.a.2</i>	<i>Card issue terminal – PC</i>	<i>1</i>	<i>Nos.</i>						
<i>a.3</i>	<i>Application software</i>	<i>1</i>	<i>Set</i>						
<i>a.4</i>	<i>Controller- 2 door 2 reader</i>	<i>2</i>	<i>Nos.</i>						

	<i>controller</i>								
a.5	<i>Proximity card reader-</i>	2	Nos.						
a.6	<i>Finger print reader</i>	1	Nos.						
a.7	<i>Proximity card</i>	100	Nos.						
a.8	<i>Cables</i>	300	Mtr						
<b>b</b>	<b>Closed Circuit Television (CCTV) System – IP Based</b>								
1	<i>IP based Fixed lens camera</i>	6	Nos.	<b>Please do not write anything here</b>					
2	<i>Indoor PTZ 10X</i>	1	Nos.						
4	<b>Fire Control</b>	LS							
a	<b>Fire Suppression system</b>			<b>Please do not write anything here</b>					
a.1	<i>80Ltr Cylinder/Valve Assembly</i>	2	Nos.						
a.2	<i>FM200 Agent filled in above cylinder (Kgs)</i>	1	Lot						
a.3	<i>Accessories for Master Cylinder, solenoid actuator, manual actuator, discharge hose etc.</i>	1	Set						
a.4	<i>Accessories for Slave Cylinder, pneumatic actuator, pilot hose, discharge hose etc.</i>	1	Set						
a.5	<i>Discharge Nozzles</i>	2	Nos.						
a.6	<i>Other accessories like cylinder strap, warning sign stickers, sockets with check valve etc.</i>	1	Set						
a.7	<i>Gas Release Panel with battery back up</i>	1	Nos.						
a.8	<i>M.S. Seamless pipes as per ASTM A 106 Gr. B, Schedule 40</i>	300	Mtr						
a.9	<i>Manifold with pressure switch</i>	2	Nos.						
a.10	<i>Sounder with Strobe</i>	2	Nos.						
a.11	<i>Laying 2 core twisted pair 1.5 Sqmm, ATC, Multi strand, over all PVC sheathed</i>	200	Mtr						
a.12	<i>FM 200/NAF based fire extinguishers</i>	2	Nos.						
5	<b>Lump cabling including downloading of PCR VAN recordings to storage , etc</b>	1	SET						
<b>B. Price quote for CCTV Surveillance &amp; ANPR Solution</b>				<b>Please do not write anything here</b>					
<b>1 CCTV System (IP Based CCTV System)</b>				<b>Please do not write anything here</b>					
1	IP based Fixed lens camera								
1.a	<i>Full High Definition IP Fixed</i>	50	nos	<b>Please do not write anything here</b>					



	<i>Box/Bullet Type D/N Camera with mounts and accessories with 5-50mm varifocal lens</i>									
1.b	<i>Full High Definition IP Fixed Box/Bullet Type D/N Camera with mounts and accessories with 3-9 mm varifocal lens</i>	100	No s.							
1.c	<i>Outdoor weather proof housing IP66 rated</i>	150	No s.							
1.d	<i>64 GB SD card</i>	160	No s.							
2	IP based PTZ surveillance camera			<b>Please do not write anything here</b>						
2.a	<i>Full HD IP Speed Dome Camera Day/night inclusive lens, mounts &amp; weather proof housing Inclusive separate power supply adapter, 64 GB SD card</i>	30	No s							
3	ANPR camera			<b>Please do not write anything here</b>						
3.a	<i>Controller to be placed on site with camera specifications as in serial B.1.A above</i>	4	No s							
3.b	<i>ANPR CAMERAS as per fixed cameras specs</i>	32	NO S							
3.c	<i>Gantry for ANPR - d, 25 feet, inverted "L" with specfcation as per poles and WITH NECESSARY FOUNDATION</i>	16	No s							
5	Storage Device			<b>Please do not write anything here</b>						
	<i>Storage with Single OR Dual active Quad Core processors in power high availability mod, 48GB RAM, SATA or SAS drive, support RAID 0 Raid 1, Raid 5/RAID 6, Min 250TB(usable) in RAID 5 /RAID 6 Scalable to 1PB</i>	1	set							
6	UPS for camera On actual			<b>Please do not write anything here</b>						
	<i>1 KVA Online UPS -1 Hrs Backup with SMF battery</i>	70	nos							
7	Network accessories for camera on each junction			<b>Please do not write anything here</b>						
	<i>Outdoor Enclosures at Junction points to house switches, UPS, batteries other network</i>	70	No s							

	<i>accessories inclusive earthing</i>								
8	Pole for camera			<b>Please do not write anything here</b>					
	<i>MS Tubular hot dip galvanized,, as specified with Necessary Foundation</i>	120	No s						
<b>2 : LAN Infrastructure &amp; Accessories for CCTV System</b>				<b>Please do not write anything here</b>					
1	Network Management Software			<b>Please do not write anything here</b>					
	<i>NMS to manage at least 500 network devices like switch, radio devices, ip camera, firewall etc.</i>	1	set						
2	Weather Proof Small Box (Holds Power adapter, Network Switch, LIU and patch cords)			<b>Please do not write anything here</b>					
	<i>IP66 Weather proof small junction boxes to be mounted on the pole for power, network termination</i>	180	No s						
3	Passive Components and terminations								
4	CAT 6 UTP Cable			<b>Please do not write anything here</b>					
	<i>CAT 6 UTP Cable</i>	3000	me tre s						
5	Power cable			<b>Please do not write anything here</b>					
	<i>Power cable -3 core 2.5 sq mm armored -</i>	1500	me tre s						
6	Server Rack 42U, 19" with 15.2" Monitor, Keyboard, mouse and KVM	LS							
<i>a</i>	<i>19" 42U Rack</i>	4	No s	<b>Please do not write anything here</b>					
<i>b</i>	<i>Monitor, 15.2" with Keyboard &amp; mouse</i>	1	set						
7	Fiber Module			<b>Please do not write anything here</b>					
	<i>SMF, Wavelength: 1310nm, 1.25Gbps, Distance: 10km-</i>	70	NO S						
<b>3 CIVIL WORKS</b>				<b>Please do not write anything here</b>					
1	1 HARD SOIL: Excavation of ground to a depth of 3' level width of 1' and refilling etc. for	3000	ME TR ES						

	laying the PVC piping. Extra earth after re-filling to be leveled in low lying area								
2	Cable laying and other works to connect from junction box at intersection to individual cameras	3000	ME TR ES						
<b>C: CCTV System ( for PCR vans)</b>				<b>Please do not write anything here</b>					
1	Analog Veri focal lens camera	20							
1.	<i>Analog type camera - as per specification along with Outdoor weather proof housing as per specification</i>	20	No s	<b>Please do not write anything here</b>					
2	<i>4 CH, DVR H.264, 1 TB Storage, GPS capable</i>	5							
3	Power pack including batteries			<b>Please do not write anything here</b>					
3.a	<i>Battery 88 AH</i>	5							
4	Fixtures and fittings to fix the cameras to PCR vans			<b>Please do not write anything here</b>					
a	<i>LCD Monitor 10 "</i>	5	NO s						
b	<i>Necessary fixtures to mount the camera on vehicles including cables</i>	5	SET S						
5	<i>MDTs to be used for Dial 100 as per specification</i>	5	nos						
<b>D: WIRELESS FOR CONNECTIVITY</b>				<b>Please do not write anything here</b>					
1	Backhaul Radios with appropriate antenna	15	Pai r						
2	Base Station (PtMP) wiith appropriate antenna	15	No S						
3	Subscriber Unit with appropriate antenna	70	No s						
4	NMS for controlling and configuring devices	1	Set	<b>Please do not quote here as the NMS used in LAN Infrastructure and accessories mentioned in B2 above will be used for the purpose.</b>					
7	Base Station (PtMP)		No						



<b>G: Services</b>				<b>Please do not write anything here</b>					
1	Operation Support and Maintenance Cost for Year 1,2 and 3 DURING WARRANTY	LS	SET						
2	Operation Support and Maintenance Cost for Year 4 DURING WARRANTY	LS	SET						
3	Operation Support and Maintenance Cost for Year 5 DURING WARRANTY	LS	SET						
4	Comprehensive on site Annual Maintenance Contract Year 6	LS	SET						
5	Comprehensive on site Annual Maintenance Contract Year 7	LS	SET						
6	Training for 20 persons	LS	SET						

## **Annexure 2**

### **UNDERTAKING ON SECURITY IN USE OF OFFERED PRODUCTS**

(Company letterhead)

[Date]

To,  
The Chief Engineer,  
Odisha State Police Housing  
and Welfare Corporation Ltd ,

Bhoi Nagar, Near Vanivihar Crossing  
Bhubaneswar - 751022

Sub: Undertaking on security in use of offered products.

Sir,

We as System Integrator (SI) do hereby undertake that none of the deliverables, including those being provided by us for establishing the connectivity through a radio network, are infringing on any security guidelines issued by the competent authority in India.

We also undertake that the elements deployed in the network offered by us incorporate adequate safeguards to meet the security and confidentiality requirements specified by the user. These products have been approved by the competent authority in India having relevant jurisdictions for the use in surveillance network of the type being set up by the user.

Yours faithfully,

Authorized Signatory

Designation