

**E-GOVERNANCE  
MISSION MODE PROJECT (MMP)**

**CRIME & CRIMINAL TRACKING NETWORK AND SYSTEM**

**CORRIGENDUM-1  
TO RFP  
FOR THE SELECTION OF SYSTEM INTEGRATOR FOR IMPLEMENTATION  
OF CCTNS PROJECT  
IN BIHAR  
Date: 01-April-2016**



Ministry Of Home Affairs, Government of India



Department Of Home, Government of Bihar

**CORRGENDUM TO THE CCTNS RFP**  
**(F. No. CCTNS-Re-Tendering/2016)**

- All Prospective bidders are advised to go through the details of Corrigendum along with RFP carefully for preparation of bid document
- Bid documents submitted along with any variation, condition, assumption, suggestion with respect to terms and conditions of RFP and subsequent corrigendum will be liable for rejection.

**1. AMENDMENTS TO THE RFP**

S. No.	Reference	Existing provisions in RFP	Stands amended as				
1.	RFP Vol-I, Clause 1-Request for Proposal Data Sheet, Sr. No.8, Page 7  RFP Vol-II, Clause 3.1- Calender of events, Sr. No.4, Page 6	<table border="1"> <tr> <td>Last date for submission of proposals</td> <td>8th April 2016 15:00 hrs</td> </tr> </table>	Last date for submission of proposals	8th April 2016 15:00 hrs	<table border="1"> <tr> <td>Last date for submission of proposals</td> <td>28th April 2016 15:00 hrs</td> </tr> </table>	Last date for submission of proposals	28th April 2016 15:00 hrs
Last date for submission of proposals	8th April 2016 15:00 hrs						
Last date for submission of proposals	28th April 2016 15:00 hrs						
2.	RFP Vol-I, Clause 6.10, Pg-38	SI to provide undertaking stating that any movement of installed/commissioned hardware (if required) will be taken up without any additional cost.	Deleted				
3.	Vol I, Clause 2.6, Pg 11	Act as the sole responsible party for ensuring high availability of the Network and Connectivity infrastructure for the project	Act as the responsible party for coordinating with BSNL and facilitating high availability of the Network and Connectivity infrastructure for the project				
4.	RFP Vol-I, Page 135-136, Geographical Information System(GIS)	<b>Geographic Information System (GIS)</b> GIS technology envisaged for Bihar Police to be used in the following areas; criminology; resource management; projections of a geospatial nature – both manmade and natural; asset	Deleted				

S. No.	Reference	Existing provisions in RFP	Stands amended as
		<p>management and location planning; infrastructure assessment and development; urban planning; cartography, for a thematic and/or time based purpose; population and demographic studies; prospectively mapping; location attributes applied statistical analysis; warfare assessments; and other purposes. Examples of use are: GIS may allow Call for Service planners to easily calculate emergency response times and the movement of response resources (for logistics) in the case of a natural disaster.</p>	
		<p>S. No. Specifications</p>	<p>Complied / Not Complied</p>
		<p><b>Overall Functionalities</b></p>	
		<p>The GIS should have tools and techniques to capture crime series/incidents and forecast future crime</p>	
		<p>The GIS should be able to support pattern and trend analysis across multiple jurisdictions</p>	
		<p>The GIS should be able to identify and highlight suspicious incidents and events that may require further investigation</p>	

S. No.	Reference	Existing provisions in RFP	Stands amended as
		The GIS should help understand events and dynamics in a neighborhood including persons, events, and crime hazards.	
		CCTNS should provide a common operating picture to simplify monitoring, improve detection accuracy, and speed up responses to all types of emergency situations, security issues and threats.	
		The systems should be capable of being deployed on a centralized architecture which can be scaled up based on the needs of the department.	
		The system should have a capability for consequence Management and emergency asset management which will be vital to minimizing damage and responding / recovering from major events.	

S. No.	Reference	Existing provisions in RFP	Stands amended as
		<p>Proposed system should have a facility for Command &amp; Control Center providing a GIS based geospatially powered unified platform for a common Operational Picture, enhanced situational awareness, computer aided dispatch and robust capability for data and Satellite image management.</p>	
		<p>System should be capable of integrating signals from multiple devices on a single unified platform including telephony viz PSTN, GSM/GPRS, Wireless etc , Camera's, RFID's, GPS based devices and other sensors, should have an integrated Enterprise/ GIS based geospatial platform.</p>	
		<p>The Communication Interfaces should offer a seamless coordination between Computer Aided dispatch (CAD), radio, and telephone systems viz PSTN, GSM/GPRS, Wireless etc for effective coordination.</p>	

S. No.	Reference	Existing provisions in RFP	Stands amended as
		<p>Computer Aided dispatch should seamlessly integrate and provide an interactive, real-time map display with call handling, dispatching, records and information management, remote access, and mobile data to enable precise and exceptionally fast response, while generating a full incident record for downstream use.</p>	
		<p>When the call / video alert comes the call location should get automatically get populated on the map. This will help the operator to immediately take information regarding the incident and pass it to the dispatcher for immediate dispatch.</p>	
		<p>Dispatching capability should be tightly integrated with the Security and Call taking work flow and as soon as the call takers accept an incident, it should be available for the dispatcher. Dispatcher should be able to initiate action from the map itself – using right click.</p>	

S. No.	Reference	Existing provisions in RFP	Stands amended as
		<p>Dispatcher should be able to see the closest available responder, their distance and availability status and ability to find shortest routes for different options viz distance, intersections, etc. This will facilitate a quick response to the incident.</p>	
		<p>The computer aided dispatch system should also have capability to synchronize with Google and Microsoft Bing-Maps to facilitate enhanced situational awareness. System should have out of the box capability for multi-agency coordination and should be able integrate with other emergency responder systems viz Dial 100, Dial 101, Dial 102etc.</p>	

S. No.	Reference	Existing provisions in RFP	Stands amended as
		<p>System should have out of the box capability to integrate with the weather data to facilitate speedy responses in the event of weather related emergencies.</p> <p>CAD system should have out of the box capability for facilitating access to the hearing and speech impaired citizens.</p>	
		<p>The system should provide an environment to build and manage a response plan through the presentation of objectives, strategies, standard operating procedures, and checklists.</p> <p>System should have out of the box capability for emergency asset management viz hospitals, relief centers etc and consequence management.</p>	
		<p>Incident detection should provide a single environment to detect and assess threats by interfacing with access control systems, intrusion detection systems, fire systems, and</p>	



S. No.	Reference	Existing provisions in RFP	Stands amended as
		<p>System should have out of the box capability for enhancing video from closed-caption television (CCTV), video surveillance, or security systems, register and analyze video from car-mounted camera systems and unmanned aerial vehicles, preserve video evidence, rapidly extract and distribute video images to speed investigations. It should have capabilities like Image stabilization, noise reduction, demultiplexing to separate each camera in a multiplexed video, deinterlace for removing motion artifacts, field to Frame to converts each field of video to a frame, image enhancement features like resize, brighten, removal of colour noise, image comparison, colour tracker, picture in picture and time lapse conversion.</p>	

S. No.	Reference	Existing provisions in RFP	Stands amended as
		<p>System should be capable of facilitating mobile integration for integrated Emergency responders in the field need access to the same information available to on-site dispatchers. Capability for incident analysis. This will help you to analyze the incident patterns and help in your operational planning and deployment.</p>	
		<p>System should support notifications and Interoperability, should support National Incident Management System (NIMS) standards, notifications interfaces provide interoperability with pagers, alerting systems, and external databases.</p>	
		<p>System should have out of the box capability for planning, training, creating Response plans which can be tested and personnel trained to ensure perfect execution in the real world</p>	

S. No.	Reference	Existing provisions in RFP	Stands amended as					
		<p>System should have integrated video assessment / management capability to provide with an effective way to identify a target and assess if a threat exists. This should be tightly integrated with CAD so that system offers a streamlined solution to view targets, assess threat levels, and manage appropriate response</p> <p>The proposed technology vendor should have development centre in India with at least 100 people, to support localization and customization needs to meet the department specific workflows.</p>						
5.	RFP Vol-I, Clause 9.8.1, Page 137-138	<p>The Additional item i.e. Solar (Sl. No. 14 below) will be considered in case of approval of the fund from the proper authorities. <b>Separate Bid to be submitted by the prospective bidders for Solar package.</b> The process of evaluation will be separate and may be clubbed if the proper approval is obtained from the proper authorities. The same evaluation criterion will be followed for Solar also. The marks obtained in QCBS on separate offers (Sl. 1,2,4 to 13 and Sl. no. 14) will be added to arrive at the final result.</p> <table border="1" data-bbox="632 1333 1266 1406"> <tr> <td data-bbox="632 1333 695 1373">1</td> <td data-bbox="695 1333 936 1373">2.5 KWp Solar</td> <td data-bbox="936 1333 1266 1373" rowspan="2">900</td> </tr> <tr> <td data-bbox="632 1373 695 1406">4</td> <td data-bbox="695 1373 936 1406">Power Pack</td> </tr> </table>	1	2.5 KWp Solar	900	4	Power Pack	Deleted
1	2.5 KWp Solar	900						
4	Power Pack							

S. No.	Reference	Existing provisions in RFP	Stands amended as
		<p>Cost per location (exclusive of UPS) for the Solar Power Requirement is required to be quoted separately.</p> <p>The System Integrator should ideally possess the capability to integrate solar power package at various locations including police stations to meet the requirement of energy for IT hard wares and should have a backup of at least 6 hours working during night. The charge controller / electronics should be capable of running the system during day hours as well as keeping the batteries in charging mode simultaneously.</p> <p>Many of the Police Stations are located in remote areas, which face severe power deficiency. In some cases, the power connection is not present at the Police Station, while in some other cases, average hours of power availability are significantly low. Considering this situation, it is envisaged that backup power to the extent of supporting the CCTNS infrastructure will be provided through a combination of Solar Power Generators and Generators. The SI will conduct a survey at its own and finalize the list of locations where the solar power is to be installed exclusively to meet the power requirement of the system within CCTNS framework in the police stations. However, the list is subject to approval of Bihar Police, and the final decision in regards to the actual number of PS where solar power is to be installed would be by Bihar Police. However, for</p>	

S. No.	Reference	Existing provisions in RFP	Stands amended as																								
		<p>purposes of this RFP, bidders may go ahead with the assumption that 900 police stations will be provided with solar power, while the rest will be provided with Generators.</p> <p>In their proposal, bidders shall indicate the technical details of the solar power solution proposed by them (in adherence to the Technical Specifications provided in Section 9.8.9). In their commercial bids, bidders shall indicate the price for provisioning of Solar Power generators for 900 Police stations.</p>																									
6.	RFP Vol-1, Pg 172-174	<p><b>Solar Power Pack (2.5 KWp)</b></p> <p><b>a. Assumptions on peak load:</b> The design of the solar power solution is based on the assumptions of the load conditions in the Police Stations (<i>as per guideline of NCRB</i>) as given below:</p> <table border="1"> <thead> <tr> <th>S. NO</th> <th>Load</th> <th>QTY</th> <th>Wattage (Watts)</th> <th>Hours</th> <th>Load (Watts)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Desktops</td> <td>4</td> <td>250</td> <td>4</td> <td>600</td> </tr> <tr> <td>2.</td> <td>Laser Printer &amp; MFP</td> <td>1</td> <td>600</td> <td>2</td> <td>600</td> </tr> <tr> <td>3.</td> <td>Network Switch</td> <td>1</td> <td>25</td> <td>4</td> <td>25</td> </tr> </tbody> </table>	S. NO	Load	QTY	Wattage (Watts)	Hours	Load (Watts)	1.	Desktops	4	250	4	600	2.	Laser Printer & MFP	1	600	2	600	3.	Network Switch	1	25	4	25	Deleted
S. NO	Load	QTY	Wattage (Watts)	Hours	Load (Watts)																						
1.	Desktops	4	250	4	600																						
2.	Laser Printer & MFP	1	600	2	600																						
3.	Network Switch	1	25	4	25																						

S. No.	Reference	Existing provisions in RFP					Stands amended as		
		4.	Router	1	25	4	25		
		5.	Fingerpr int Device	1	25	4	25		
		6.	Other peripher als & Lighting	1	100	4	100		
		<b>Total Load</b>					<b>1375 W</b>		
		<p>Based on the above load, the minimum Technical Specifications for the solar power solution is provided. The bidders shall assess the minimum specifications, in relation to the IT Infrastructure proposed by them and shall propose the optimal solution to meet the client’s requirements. Please note that PSU organization/s may be preferred for the solar power solution.</p> <p><b>b. Technical Specifications of solar power solution:</b></p> <p>The specifications of the components of the solar power solution are provided below:</p>							
		<b>S. N O</b>	<b>Com pone nt</b>	<b>Specifications</b>					
			Over view of speci	Summary of requirements: <ul style="list-style-type: none"> <li>• SPV Array: 2.5 KWp</li> <li>• Battery Bank: 48 V, 500AH</li> <li>• UPS: 48V, 2KW (pure sine wave)</li> </ul>					

S. No.	Reference	Existing provisions in RFP		Stands amended as
			<p>fications</p> <ul style="list-style-type: none"> <li>• Charge Controller: 48V, 60Amp</li> <li>• Mounting Structure and other accessories as required</li> </ul> <p>The solution shall provide at least 3 day backup for meeting basic power requirements of the Police Station</p> <p>Dual charging capabilities from electricity and solar power in locations where Grid connection is available</p> <p><b>Certifications / Standards:</b> All the components proposed as part of the Solar power solution shall be from reputed manufacturers and shall necessarily be tested at the Solar Energy Centre (SEC) or any of the MNRE approved Testing Laboratories in India and must adhere to its applicable Indian or International Standards.</p>	
		SPV array	<p><b>Type:</b> Mono / Multi Crystalline Silicon Cell</p> <p><b>Single SPV panel output:</b> minimum of 75Wp, maximum of up to 200 Wp</p> <p><b>Total output of SPV Array:</b> 2.5 KWp</p> <p>The power output of the module(s) under Standard Test Conditions should be able to provide a minimum back-up for 3 days during the operational hours of Police Stations.</p> <p><b>Other Features:</b> High Conversion Efficiency, Low Mismatch Losses</p>	

S. No.	Reference	Existing provisions in RFP		Stands amended as
			<p><b>Battery Type:</b> VRLA / TUBULAR Acid of 12V or 2V cells</p> <p><b>Nominal Capacity:</b> 48V, 500 Ah (Capacity to provide at least 3 day backup for CCTNS power requirements)</p> <p><b>Charge Efficiency:</b> more than 90%</p> <p><b>Self-discharge:</b> less than 4% under Standard Test Conditions</p> <p><b>Operating Temperature:</b> 0°C to 50°C</p> <p><b>Warranty:</b> 5 year warranty, Topping up maintenance interval must be of 6 months.</p> <p><b>Other Features:</b> No Thermal Runaway, Lead plated copper terminals for high conductivity</p>	Lead
			<p><b>Type:</b> PWM (Pulse Width Modulator) type Microprocessor based controls</p> <p>3 stage charging – Boost, Float &amp; Equalization</p> <p><b>Nominal Voltage:</b> 48V</p> <p><b>Max Charge / Discharge Current:</b> 60A</p> <p><b>Efficiency:</b> more than 95%</p> <p><b>Idle current</b> less than 10 mA</p> <p>Temperature compensation</p> <p><b>Protections:</b> Overcharge, Reverse Polarity, Short Circuit, Over Current, Deep Discharge &amp; Reconnect</p> <p><b>Indications :</b> Charging, Full Charge &amp; Low battery</p> <p><b>Optional Features :</b> Inbuilt Load Controller for DC loads, RS</p>	Ah



S. No.	Reference	Existing provisions in RFP		Stands amended as
			compatibility, Digital Display, Alarms	
		UPS	<p><b>Type:</b> Off Line / On Line</p> <p><b>Capacity:</b> 2 KW</p> <p><b>Input Voltage:</b> 48 V</p> <p><b>Output Voltage:</b> 230 VAC / 50 Hz, 1 phase pure sine wave                      DSP (Digital Signal Processor ) / Microprocessor based PWM (Pulse Width Modulator ) technology, Bi-directional High Surge Power 4 KW for 30 cycles UPS mode.</p> <p><b>Output Voltage Regulation :</b> ± 2%</p> <p><b>Efficiency:</b> more than 90%</p> <p><b>Protections:</b> Overload, Low Battery, Short circuit, Surge, Reverse polarity, Thermal protections.</p> <p><b>Total Harmonic Distortion:</b> less than 3%</p> <p><b>Other Features:</b> High Overload Capability at switching, Better tolerance for Battery DC Volts, Minimum Acoustic Noise</p> <p><b>Preferable features:</b> Digital Display, Alarms</p>	
		Mounting Structure & Accessories	<p><b>Mounting Structure:</b></p> <ul style="list-style-type: none"> <li>• A metallic frame structure (with corrosion resistant paint) to be used to hold the PV module(s)</li> <li>• The frame structure should have provision to adjust its angle of inclination to the horizontal between 0 and 45, so that the module(s) can be</li> </ul>	

S. No.	Reference	Existing provisions in RFP	Stands amended as
		<p>oriented at the specified tilt angle</p> <ul style="list-style-type: none"> <li>The frame should provide protection against adverse weather conditions (withstand horizontal wind speed greater than or equal to 100 km/hour)</li> </ul> <p><b>Junction Boxes and Distribution Boards:</b></p> <ul style="list-style-type: none"> <li>Should be from reputed manufacturers and should be of outdoor type, weather resistant and has to be made of Thermoplastic material.</li> </ul> <p><b>Other Accessories:</b></p> <ul style="list-style-type: none"> <li>All the other accessories for the complete Solar Power solution shall be provided by the SI, in the required quantities. Such accessories shall adhere to applicable Indian or International Standards.</li> </ul> <p><b>Civil Works:</b></p> <ul style="list-style-type: none"> <li>Civil work shall include work related with foundation for installation of module mounting structures</li> </ul>	
7.	RFP Vol-II, Clause 5.4.1, Pg-27, Sr. No. 2	Site Preparation (Including Electrical fittings, Earthing, LAN Cabling, Furniture, Vinyl Flooring etc.)	Site Preparation (Including Electrical fittings, Earthing, LAN Cabling, Furniture, etc.)

S. No.	Reference	Existing provisions in RFP		Stands amended as			
8.	RFP Vol-II, Clause 6.6.3, (D)-Site Preparation at Client site locations, Pg-83, Sr. No.1 & 2	1.	Site Preparation at the Client site locations (Police Stations, Circle Offices, Range offices, Zones, SCRB, SDPOs, District HQ ,State HQ, others)	Flooring (Vinyl)	1.	Site Preparation at the Client site locations (Police Stations, Circle Offices, Range offices, Zones, SCRB, SDPOs, District HQ ,State HQ, others)	furniture (Computer furniture (Table, Chair etc.) and printer table for nodes and printers)
				Others			Others
		2.	Site Preparation at BPA and Regional Training Centres(RTCs)	Flooring (Vinyl)	2.	Site Preparation at BPA and Regional Training Centres(RTCs)	furniture (Computer furniture (Table, chair etc.) and printer table for nodes and printers)
				Electrical Point, earthing etc.			Electrical Point, earthing etc.
Others	Others						
9.	RFP Vol-II, Clause 3.4.5, Technical Evaluation Criteria, Pg 21	<b>Evaluation for Solar Schedule B</b>		Deleted			
		<b>S. No</b>	<b>Evaluation Criterion</b>	<b>Max score</b>			
		A	<b>Past experience</b> Previous project experience related to installation of solar power systems for an IT project 5000+ installation (5 Marks), 1000 to 5000 installation (3 Marks) Marks, <1000 (0 Mark)	5			
<b>Total</b>							

S. No.	Reference	Existing provisions in RFP	Stands amended as																		
		5																			
10	RFP Vol-2,3.4.5, Technical Evaluation Criteria, Pg 21	Bidder has to qualify based on the aggregate marks of Schedule A and Schedule B. Accordingly the total marks for technical evaluation stands as 130 and the cut off score as 91. Further bidder may submit its experience for Solar Power Installation as required in Schedule B.	Bidder has to qualify based on the marks of Schedule A. Accordingly the total marks for technical evaluation stands as 125 and the cut off score as 88.																		
11	RFP Vol-2, 6.6.3 Detailed Component-Wise Pricing Formats, Pg 86	<p><b>Additional Item:</b></p> <table border="1"> <thead> <tr> <th>S. N o.</th> <th>Descript ion</th> <th>Total price (INR)</th> <th>Taxes and other duties</th> <th>Total Amount (INR)</th> <th>Total Amount in Words</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>GIS Package</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2.</td> <td>Solar Power Package</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p><i>*The decision on procurement of GIS and Solar Power Package will be taken later by Bihar Police and if it is decided to procure these items then, the SI will have to provide them at the same rates.</i></p>	S. N o.	Descript ion	Total price (INR)	Taxes and other duties	Total Amount (INR)	Total Amount in Words	1.	GIS Package					2.	Solar Power Package					Deleted
S. N o.	Descript ion	Total price (INR)	Taxes and other duties	Total Amount (INR)	Total Amount in Words																
1.	GIS Package																				
2.	Solar Power Package																				
12	RFP Vol-II, Clause 5.4.1 Milestones and Payment Schedules for Implementation Phase, Pg 29  RFP Vol-III, Clause 3.6 Schedule – VI, Page 43,	* Based on the Price quoted by SI for implementation phase. All payments except Mobilization Advance will be calculated at 90% of the total implementation cost.	* Based on the Price quoted by SI for implementation phase. In case the SI submits Advance Bank Guarantee, all payments except Mobilization Advance will be calculated at 90% of the total implementation cost.  However, no Mobilization Advance will be paid to SI if no Advance Bank Guarantee is submitted and all																		

S. No.	Reference	Existing provisions in RFP	Stands amended as
			payments will be calculated at 100% of the total implementation cost.
13	RFP Vol-II, 5.4.1 Milestones and Payment Schedules for Implementation Phase, Pg 29	Hardware for PS/HO (PC, UPS, Printers, Electronic Pen, digital Camera, HDD, other client items)	<ol style="list-style-type: none"> <li>65% on Delivery and Commissioning with CAS offline version of all line items (except Generator) to the concerned locations and submission of Proof of Delivery (POD). The payment will be made on Quarterly pro-rata basis.</li> <li>20 % would be paid when Go- Live happens in a particular District.</li> <li>15 % would be paid when Go-live of the project happens at State Level.</li> </ol> <p>The payment will be made on Quarterly pro-rata basis.</p>
	RFP Vol-III, Clause 3.6 Schedule – VI, Page 41-43,	Hardware (Generator)	<ol style="list-style-type: none"> <li>65% on Delivery and Commissioning of Generator. The payment will be made on Quarterly pro-rata basis.</li> <li>20 % would be paid when Go- Live happens in a particular District.</li> <li>15 % would be paid when Go-live of the project happens at State Level.</li> </ol> <p>The payment will be made on Quarterly pro-rata basis.</p>
		Data Centre	<ol style="list-style-type: none"> <li>65% payment to be made on delivery and commissioning of hardware at DC with latest CAS online version and subsequent audit by State Technical Infrastructure Committee(STIC) /SPMU</li> <li>20 % would be retained and paid quarterly on pro-rata basis depending on the number of districts where Go- Live is declared during that period.</li> <li>15% would be paid when Go-live happens at</li> </ol> <p>The payment will be made on Quarterly pro-rata basis.</p>

S. No.	Reference	Existing provisions in RFP	Stands amended as
		<p>State Level.</p> <p>SI to provide undertaking stating that any movement of installed/commissioned hardware (if required) will be taken up without any additional cost.</p>	
	Disaster Recovery Center	<ol style="list-style-type: none"> <li>65% payment to be made on delivery and commissioning of hardware at DRC with latest CAS online version and subsequent audit by State Technical Infrastructure Committee(STIC) /SPMU</li> <li>20 % would be retained and paid quarterly on pro-rata basis depending on the number of districts where Go- Live is declared during that period.</li> <li>15% would be paid when Go-live happens at State Level.</li> </ol> <p>SI to provide undertaking stating that any movement of installed/commissioned hardware (if required) will be taken up without any additional cost.</p>	<ol style="list-style-type: none"> <li>65% payment to be made on delivery and submission of Proof of Delivery (POD).</li> <li>20% on commissioning of hardware at DRC with latest CAS online version and subsequent audit by State Technical Infrastructure Committee(STIC) /SPMU</li> <li>15% would be paid when Go-live happens at State Level.</li> </ol>
14	Advisory-Site Preparation, Section 4, Pg-3	As part of the site preparation activities, SI shall undertake civil, electrical, and mechanical works including but not limited to installation of electrical equipment’s, cable laying, earthing etc., at the respective sites.	As part of the site preparation activities, SI shall undertake required minor civil patch work, electrical, and mechanical works including but not limited to installation of electrical equipment’s, cable laying, earthing etc., at the respective sites.
15	Advisory-Site Preparation, Section 4, Pg-5	System Integrator shall undertake civil, electrical, cabling and network related work, apart from arranging for furniture and other essentials as proposed in the SI RFP.	System Integrator shall undertake required minor civil patch work,electrical, cabling and network related work, apart from arranging for furniture and other essentials as proposed in the SI RFP.

S. No.	Reference	Existing provisions in RFP	Stands amended as
16	RFP Vol-II, 5.4.1, Pg29	<p><b>District Go-Live:</b></p> <p>The declaration of Go-Live requires Completion and Acceptance of the following activities in at least 100% of the PS/HO of a particular District:</p> <ul style="list-style-type: none"> <li>• Site Preparation at all the PS/HO of the particular district</li> <li>• Delivery and commissioning of all the line items of Client site Infrastructure at all the PS/HO of the particular District.</li> <li>• Delivery, commissioning and successful installation of CAS latest online version released by NCRB at DC and DRC.</li> <li>• Networking and connectivity at all the PS/HO in the district.</li> <li>• Fully functional client site infrastructure at 100% of the PS/HO of the particular district.</li> <li>• Completion of 80% of Data Digitization and Migration , validated by the State/SPMU</li> <li>• 80% of the trainee of the particular district has to pass the training assessment program.</li> <li>• Handholding support is started at all the PS in the particular district or as per the requirements of the Nodal Officer</li> <li>• The PS / HO have completely migrated to the CAS and the police station and the higher offices’ personnel are successfully conducting the intended functions through</li> </ul>	<p><b>District Go-Live:</b></p> <p>The declaration of Go-Live requires Completion and Acceptance of the following activities in at least 100% of the PS/HO of a particular District:</p> <ul style="list-style-type: none"> <li>• Site Preparation at all the PS/HO of the particular district</li> <li>• Delivery and commissioning of all the line items of Client site Infrastructure at all the PS/HO of the particular District.</li> <li>• Delivery, commissioning and successful installation of CAS latest online version released by NCRB at DC and DRC.</li> <li>• Networking and connectivity at all the PS/HO in the district.</li> <li>• Fully functional client site infrastructure at 100% of the PS/HO of the particular district.</li> <li>• Atleast 50% of the trainee of the particular district has to pass the training assessment program.</li> <li>• Handholding support is started at all the PS in the particular district or as per the requirements of the Nodal Officer</li> <li>• The PS / HO have completely migrated to the CAS and the police station and the higher offices’ personnel are successfully conducting the intended functions through the application</li> </ul>

S. No.	Reference	Existing provisions in RFP	Stands amended as
		the application	
17	RFP Vol-II, 5.4.1, Pg29-30	<p><b>State Go-Live</b></p> <ul style="list-style-type: none"> <li>• Fully functional client site infrastructure of the State.</li> <li>• Fully functional IT Infrastructure at the DC and DR with all required softwares installed.</li> <li>• Fully functional Customized CAS (State) application</li> <li>• Networking and connectivity at all the PS/HO across the State.</li> <li>• Completion of 100% of Data Digitization / Migration and validated by the State/ SPMU.</li> <li>• Completion of training to all the mandated police personnel in the State.</li> <li>• Completion of Change Management Initiatives covering the targeted personnel across the State.</li> <li>• The PS / HO have completely migrated to the CAS and the police station and the higher offices' personnel are successfully conducting the intended functions through the application</li> </ul>	<p><b>State Go-Live</b></p> <ul style="list-style-type: none"> <li>• Fully functional client site infrastructure of the State.</li> <li>• Fully functional IT Infrastructure at the DC and DR with all required softwares installed.</li> <li>• Fully functional Customized CAS (State) application</li> <li>• Networking and connectivity at all the PS/HO across the State.</li> <li>• Completion of atleast 80% of Data Digitization / Migration (of the data made available by Bihar Police) and validated by the State/ SPMU.</li> <li>• Completion of atleast 80% training to all the mandated police personnel in the State.</li> <li>• Completion of Change Management Initiatives covering the targeted personnel across the State.</li> <li>• The PS / HO have completely migrated to the CAS and the police station and the higher offices' personnel are successfully conducting the intended functions through the application.</li> </ul> <p><b>Note:-</b>Remaining Data Digitization, Migration and Training to be completed in O&amp;M phase.</p>



S. No.	Reference	Existing provisions in RFP	Stands amended as
18	RFP Vol-II, Section 5, Page 29- 30, Payments Terms & Conditions, District Go-Live & State Go-Live  RFP Vol-III, Page 43, Clause 3.6 Schedule – VI: Payment Schedule ,District Go-Live & State Go-Live	District Go-Live and State Go-Live	<b>Addition</b>  The SI will conduct the Site Surveys for all sites in the district. Based on the Site Survey reports, Bihar Police will decide on the number of sites that are feasible for site preparation and commissioning of hardware. Accordingly, the number of sites that will be considered as 100% for Go-Live will be decided and communicated by Bihar Police to SI.  <i>Further, as and when the non-feasible sites gets ready, the SI will be required complete site preparation and hardware commissioning for them and the payment for them will be paid at that time.</i>
19	Advisory-Hardware Procurement & Quality Assurance	Hardware Delivery Mechanism	Centralized inspection by State Technical Infrastructure Committee (STIC) of hardware on sample basis (10% items of the LOT randomly) at Patna and subsequently delivery at end locations.
20	RFP Vol-I, Clause 6, Page 28	The scope of the “bundled services” to be offered by the SI includes, but not limited to, the following: <ul style="list-style-type: none"> <li>• Project planning and management</li> <li>• Configuration, Customization and Extension (New Modules) of CAS (State) and Integration with CAS (Center) and External Agencies. CAS (State) will be developed on Open Source technology stack by the SDA (Software Development Agency) at the Center. SI shall procure all the necessary underlying solution components required to deploy the CAS (State) solution for Bihar CCTNS project.</li> <li>• Training Infrastructure at the Regional</li> </ul>	The scope of the “bundled services” to be offered by the SI includes, but not limited to, the following: <ul style="list-style-type: none"> <li>• Project planning and management</li> <li>• Configuration, Customization and Extension (New Modules) of CAS (State) and Integration with CAS (Center) and External Agencies. CAS (State) will be developed on Open Source technology stack by the SDA (Software Development Agency) at the Center. SI shall procure all the necessary underlying solution components required to deploy the CAS (State) solution for Bihar CCTNS project.</li> <li>• Training Infrastructure at the Regional Training</li> </ul>

S. No.	Reference	Existing provisions in RFP	Stands amended as
		<p>Training Centres (four locations) and Bihar Police Academy including computers, networking components, UPS, etc.</p> <ul style="list-style-type: none"> <li>• Site preparation at the Client site locations (Police Stations, Circle Offices, Zones, Range Offices, Zones, SCRB, SDPOs, District HQ and State HQ) and Training Centers</li> <li>• IT Infrastructure and networking components at the Client site locations (Police Stations, Circle Offices, Zones, Range offices, Zones, SCRB, SDPOs, District HQ and State HQ).</li> <li>• IT infrastructure at the Data Center and Disaster Recovery Center including the necessary hardware, software and other networking components.</li> <li>• Data migration and Digitization of Historical Data</li> <li>• Migration of CIPA and CCIS Police Stations / Higher Offices to CCTNS</li> <li>• Change Management</li> <li>• Capacity building</li> <li>• Handholding Support</li> <li>• Support to 3rd party acceptance testing, audit and certification</li> <li>• Operation and maintenance of the system at client site locations and at the Data Centres (DC &amp; DR)</li> </ul>	<p>Centres (four locations) and Bihar Police Academy including computers, networking components, UPS, etc.</p> <ul style="list-style-type: none"> <li>• Site preparation at the Client site locations (Police Stations, Circle Offices, Zones, Range Offices, Zones, SCRB, SDPOs, District HQ and State HQ) and Training Centers</li> <li>• IT Infrastructure and networking components at the Client site locations (Police Stations, Circle Offices, Zones, Range offices, Zones, SCRB, SDPOs, District HQ and State HQ).</li> <li>• IT infrastructure at the Data Center and Disaster Recovery Center including the necessary hardware, software and other networking components.</li> <li>• Data migration and Digitization of Historical Data</li> <li>• Change Management</li> <li>• Capacity building</li> <li>• Handholding Support</li> <li>• Support to 3rd party acceptance testing, audit and certification</li> <li>• Operation and maintenance of the system at client site locations and at the Data Centres (DC &amp; DR)</li> </ul>
21	RFP Vol-I, Clause 6.12, Pg 40	<p><b>Migration of CIPA and CCIS police stations / higher offices to CCTNS</b></p> <p>The SI is also responsible for migrating the Police</p>	Deleted

S. No.	Reference	Existing provisions in RFP				Stands amended as			
		Stations and Higher Offices currently operational on CIPA and CCIS to CCTNS as part of the CCTNS implementation in the State. SI shall validate the data in the CIPA systems and migrate the data to CCTNS project platform. A detailed Migration Plan shall be prepared by the SI prior to the actual data migration process.							
22	RFP Vol-I, Clause 8.1, Pg-59	6.3	Data digitization & Migration of Historical Data for pilot districts	Historical data loaded into CCTNS system	T+22 weeks	6.3	Data digitization & Migration of Historical Data for pilot districts	Historical data loaded into CCTNS system	80% of data before T+55 weeks
23	RFP Vol-I, Clause 8.1, Pg-60	10.1	Data digitization & Migration of Historical Data for pilot districts	Historical data loaded into CCTNS system	T1+25 weeks	10.1	Data digitization & Migration of Historical Data	Historical data loaded into CCTNS system	T1+25 weeks
24	RFP Vol-I, Clause 8.1, Pg-59	6.3	Data migration for CIPA and CCIS data for pilot districts	CIPA/CCIS data loaded into CCTNS system	T+22 weeks	Deleted			
25	RFP Vol-I, Clause 8.1, Pg-61	10.2	Data migration for CIPA and CCIS data for pilot districts	CIPA/CCIS data loaded into CCTNS system	T1+25 weeks	Deleted			
26	RFP Vol-1, Clause 9.8.5, Pg	Apart from these paper documents, SI will also be				Deleted			

S. No.	Reference	Existing provisions in RFP	Stands amended as
	140	responsible for migration of the data available in the legacy systems (CIPA and CCIS).	
27	RFP Vol-II, Clause 5.2, Pg 27	<p><b>Performance bank guarantee</b></p> <p>A PBG of 10% of value of the contract would be furnished by the bidder in the form of a Bank Guarantee as per the format provided in this RFP from any Nationalized Banks to conduct Government transaction. The PBG should be furnished within 15 days from the signing of the contract and should be valid for entire term of the contract.</p>	<p><b>Performance bank guarantee</b></p> <p>A revolving PBG for an amount equal to 10% of the arithmetic sum of entire term of the Contract shall be furnished by the bidder. The PBG shall be valid initially for a period of three years. The PBG shall be renewed at least 30 days before its expiry date for the balance period of the Agreement. The Guarantee amount of the renewed PBG shall be calculated on the basis of Guaranteed Revenue for the remaining years of operation .The Bihar Police may forfeit the PBG for any failure on part of bidder to complete its obligations under the Agreement.</p>
28	RFP Vol-I, Clause 6.10, Page 38	If the allocation of space in the State Data Centre is delayed for unforeseen reasons for more than 6 months from the date of Agreement with System Integrator, the SI will have to make an interim arrangement of setting up the deployment infrastructure at SCRB, or at any other identified location in Patna	Deleted
29	Advisory-Site Preparation, Section 4, Pg-3	Civil Works	SI shall undertake required minor civil patch work.
30	CAS Version	CAS Version	At the time of Contract signing, the latest available version of CAS will be finalized. In case, a new version is released by NCRB that will be taken-up in

S. No.	Reference	Existing provisions in RFP	Stands amended as
			O&M Phase.
31	RFP Vol-I, II & III CAS	CAS at all places in RFP	The word “CAS” shall be read as “CAS or equivalent software, if approved by Bihar Police”