

TENDER CLARIFICATION

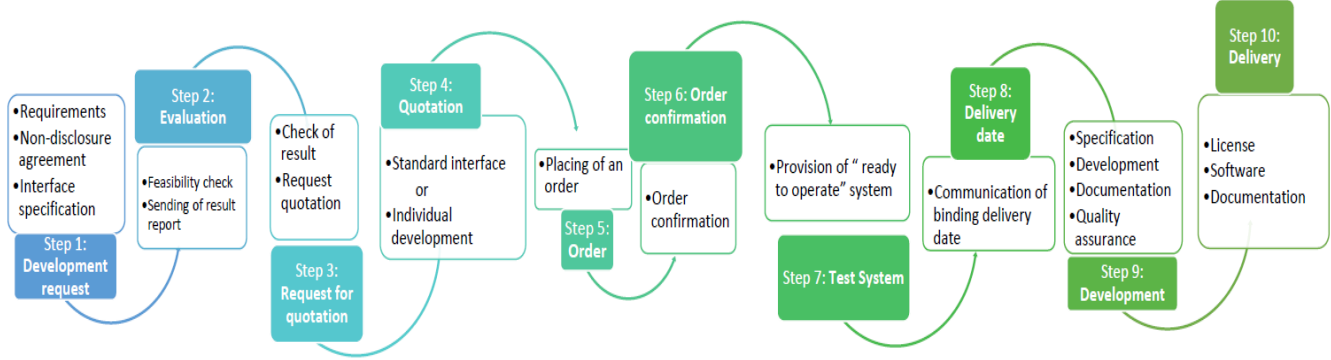
Integrated Physical Security System and maintenance support for thirteen (13) substations within Transmission Division

Clarification 02	Request For Proposal No. MWP2421TX
-------------------------	---

The following clarification is needed in response to queries and questions raised by Tenderers.

Clarification Request in **BLACK** and Clarification Response in **RED**

Items	Clarification / Discussion
01	What is the required IP rating for equipment kiosks outside the access control building where it will be exposed to dust and rain? IP66 metal enclosures should be used.
02	What is the expected number of people per site for issuing of access rights, this is for licencing purposes? A maximum of 200 licences for access control enrolment can be allocated.
03	Will the AC power be single phase or 3 phase and where will be provided from? For equioment in the access control building there will be a 230 VAC supply available in the equipment room. For equipment along the perimeter, the 230VAC power will be provided from the AC board in the main control building, a power cable will have to be connected through the trenches in the HV yard, a 1-meter-deep trench will have to be dug from where the existing trenches end to the perimeter where a power kiosk can be put to distribute to the equipment along the perimeter.
04	Will a UPS be required? Yes, a UPS will be required for the servers in the Access Control Building, this should provide a 12-hour standby time. The UPS will not supply the peripheral equipment such as cameras and biometric readers.
05	What type of poles should be used to mount the cameras and what's the maximum height allowed? Fully galvanised steel poles should be used and the maximum height allowed is 4 meters.
06	What is the make of the systems that were installed as part for the pilot project and who is the OEM for the existing PSIM system? CCTV system – Uniview

Items	Clarification / Discussion						
	<p>ACS – TBS Intrusion detection – SATEL PA system – TOA Perimeter Intrusion Detection system – WI-I PSIM system – Winguard, OEM is ADVANCIS Note- Contractors are allowed to use any other equipment with supported interfaces for the existing PSIM system as per Annex E of the scope of work document. The interfaces development process will be as follows:</p>  <p>RACI</p> <table border="1" data-bbox="178 1218 519 1428"> <thead> <tr> <th>Responsible party</th> <th>Steps</th> </tr> </thead> <tbody> <tr> <td>Contractor</td> <td>1, 3, 5, 7,</td> </tr> <tr> <td>PSIM OEM</td> <td>2, 4, 6, 8, 9, 10</td> </tr> </tbody> </table>	Responsible party	Steps	Contractor	1, 3, 5, 7,	PSIM OEM	2, 4, 6, 8, 9, 10
Responsible party	Steps						
Contractor	1, 3, 5, 7,						
PSIM OEM	2, 4, 6, 8, 9, 10						
07	<p>How long will the video recordings be stored?</p> <p>Day to day image recordings shall be kept for a period of 30 days. Copies of recordings of incidents picked up from the 30 day database shall be kept for at least three years or as long as required for legal proceedings.</p>						
08	<p>Substations have different buildings, which buildings and areas are included in the scope?</p> <p>The scope covers these common buildings and areas at all substations:</p> <p>Access control building/Guard house Control building Battery room Carrier room Store room</p>						

Items	Clarification / Discussion
	Substation perimeter Gate Area Main entrance to office building
09	Will aerial cables be allowed? No, all cables should be underground in the necessary conduit.
10	Will wireless systems/technologies be accepted? Due to substation noise, equipment should be wired (both power and communication cables), where wireless readers are proposed, the proposal will be taken to PTM&C DRT for acceptance.