

- (a) Date of video stream capture;
 - (b) Time of video stream capture;
 - (c) Camera ID; and
 - (d) Local Name.
- 17.13.15 The Contractor shall provide facilities in the System for archiving/exporting any stored video streams into external storage devices as back-up, e.g. portable hard disk, thumb drive, etc. All recordings are the property of the Authority and no copy, distribution and use of the footages and recording by the Contractor is allowed without the written consent of the Authority and or the Engineer.
- 17.13.16 The Contractor shall ensure that the CCTV system with HD Digital IP cameras are suitably protected against damage, vandalism and adverse climatic condition throughout the Contract period. The Contractor shall carry out preventive and reactive maintenance servicing on a regular basis. All HD Digital IP cameras put up by the Contractor must be maintained in good condition. Any damaged HD Digital IP cameras shall be replaced where necessary or as directed by the Engineer. The costs shall be deemed included in the Provisional Quantity Rate
- 17.13.16A. A Provisional Quantity item for CCTV monitoring system has been included in Attachment 5 to Form of Tender. The quantities as stated in the Provisional Quantity bill are for tendering purposes. The Contractor shall not be entitled to any claim for whatever reason if the actual quantities carried out are substantially more or less than those stated in this Bill. Payment shall be based on quantities as carried out and paid according to the unit rate as priced in the Bill. The unit rate shall be inclusive of the supply, installation, operation, protection, maintenance and relocation costs of the CCTV monitoring system.
- 17.13.17 Remote Monitoring System Control Centre
- 17.13.17.1 The Contractor shall setup a Remote Monitoring System Control Centre at the Authority's Office according to the requirements stipulated under **Clause 5** of the Particular Specification and to serve as the base for central CCTV system control and monitoring of all construction activities, including the soil loading and disposal works, traffic conditions, all ingress and egress of the worksite and the worksite.
- 17.13.17.2 The Contractor shall provide a Video Management System with microphone dedicated solely for CCTV system monitoring under this Contract where all CCTV videos and images will be stored and reviewed. The Contractor shall provide at least two (2) Windows-based desktop