**Specification of CCTV Camera system for TUE-MSRC second floor and building outer areas :**

**Essential Requirements :**

Branded 1/3" Super HAD CCD II,700TVL Color Dome Camera, 2.5mm lens, Colour: 700 TVL, B/W: 720TVL, EDN, SDNR, HLC, OSD,S/N Ratio> 52dB (AGC Off),Privacy Masking-8 zones (On/Off, Color, Position),Motion Detection-4 zones (On/Off, Position, Sensitivity), 12VDC/24VAC, PAL

**Quantity – 20 Nos. of Camera (12 Indoor / 8 Outdoor).**

Branded 16CH WD1 Regular DVR, Support 2EA SATA HDD Slot (Max 8TB), 16CH WD1 record & 16CH WD1 real time playback, CVBS/VGA/HDMI output, 4CH RCA Audio Input / 1CH RCA Audio Output, 8 Alarm Inputs and 1 Alarm Output ,H.264 VBR / CBR, USB2.0,Support 3G Dongle, Free DDNS, 1 x RS-485 (PELCO-D and PELCO-P support), Mobile live view(iOS / Blackberry / Android / Windows Mobile / Symbian OS),ActiveX Base Web Live & Search , CADVR-CMS Access (Live, Setting, Search Recoding), Multiplex operation, Ethernet LAN with an RJ-45 connector, CAWDView, Support DVD-RW to burn DVD from DVR

 **Suitable Rack for DVR and SMPS at monitoring desk in reception area.**

 **RG6 + 0.75 Sqmm Power in Color coded PVC Conduit – Qty : approx 500 metres**

**Digital surveillance grade HDD – 4 TB**

**Suitable Brands: Honeywell / Capture / Y – Cam / Milestone /**

**Television Monitor:** Include the flat screen TV monitor with remote control for viewing video images on screen at reception desk.

**Installation:** Inclusive of all installation, commissioning and testing.

**Warranty:** Minimum TWO years warranty for all supplied equipment

**Link to IITM’s Central security room**: Linking the above TUE-MSRC security system to IITM’s Main security monitoring room must be feasible. Such link points in the cable network must be enabled.

**List of installations in Chennai** : List of installations with 15- 20 cameras and above in Chennai in the last 3- 4 years for performance feed back.