

## **ANNEXURE B**

### **NDMC Functional Description**

#### **Nerve Centre:**

- 10x 4" In-Ceiling speakers will be available for audio playback in the venue, from a single source.
- An equivalent amplifier will be available to power the speakers.
- 5x 75" displays will be used for monitoring purposes. The displays will be mounted in a configuration of 3x displays on the front wall & 2x displays on the left wall. The displays will be mounted by means of a floor to ceiling pole mount kit for 75" displays. The displays are rated for 24 hour usage. No video wall capabilities have been catered for; each display can only display 1 input (source) at a time. Multiple displays can show the same source.
- 1x 16x16 Modular matrix chassis will be available. It will be possible to route any input on the device to any output. The following configuration is available.
  - 6x HDMI inputs by means of a HDMI CAT 6 transmitter from the selected 6x Dedicated PC's.
  - 1x HDMI input by means of a HDMI CAT 6 transmitter from the nearby Main boardroom to output into the nerve center equipment.
  - 1x HDMI input from a local HD DSTV decoder (by others).
  - 3x DGKAT (2-channels each) input cards have been catered for, for the relevant inputs.
  - 1x HDMI (2-channels each) input card has been catered for, for the relevant inputs.
  - 5x DGKAT outputs have been catered for, for the 5x 75" displays. It will be received and converted to an HDMI output at the displays.
  - 1x HDMI output has been catered by means of a HDMI STP Receiver; this unit will provide an output to input into the existing equipment in the nearby Main boardroom.
  - 1x Audio output card to provide audio in the venue.
- 240m DGKAT CAT 6 (23 AWG) bare solid copper cable has been catered for, for interconnecting all CAT 6 transmitters & Receivers.
- All the walls are dry-walls, thus Floor to ceiling pole mount kits for 75" displays have been catered for. As mentioned this will be in a 3x displays and 2x displays configuration separately.
- A 5-port network switch has been catered for to interconnect the devices.
- Control of the equipment will be available by means of a 7" Table top touch panel. The panel will be used to control the displays (on/ off), volume control & most importantly routing the relevant inputs to the relevant outputs by means of a matrix. The relevant master controller will be available to interconnect all the devices for control.
- Programming of the venue & programming of the Main boardroom update has been catered for.
- The existing rack is to be re-utilized.
- Installation of the above.

#### **4x Meeting Rooms:**

- A 55" Full HD LED TV used for presentation purposes. Audio will be heard from the displays built-in speakers.
- A Multi-format STP Transmitter will be available for laptop connectivity to the display. HDMI & VGA connectivity has been catered for. The switching between the two inputs will be automatic & both inputs cannot be used at the same time.
- A HDMI STP Receiver will be available behind the display for conversion between the CAT 6 transmission method used to the HDMI input on the display.
- 15m DGKAT CAT 6 (23 AWG) bare solid copper cable has been catered for, for interconnecting all CAT 6 transmitters & Receivers.
- The display will be mounted by means of a wall-mount bracket.
- 1.8m VGA & Audio & HDMI fly-leads have been catered for, for laptop connectivity.
- Existing laptop interfaces to be re-used.
- Installation of the above.

#### **Executive Meeting Room:**

- A 55" Full HD LED TV used for presentation purposes. Audio will be heard from the displays built-in speakers.
- A Multi-format DTP Transmitter will be available for laptop connectivity to the display. 2x HDMI & VGA connectivity points have been catered for. The switching between the two inputs will be automatic & both inputs cannot be used at the same time.
- A HDMI DTP Receiver will be available behind the display for conversion between the CAT 6 transmission method used to the HDMI input on the display.
- 15m DGKAT CAT 6 (23 AWG) bare solid copper cable has been catered for, for interconnecting all CAT 6 transmitters & Receivers.
- The display will be mounted by means of a wall-mount bracket.
- 1.8m VGA & Audio & HDMI fly-leads have been catered for, for laptop connectivity.
- Existing laptop interfaces to be re-used.
- Installation of the above.

**1x existing 46" display Meeting Room:**

- An existing 46" TV will be re-used for presentation purposes. Audio will be heard from the displays built-in speakers.
- A Multi-format STP Transmitter will be available for laptop connectivity to the display. HDMI & VGA connectivity has been catered for. The switching between the two inputs will be automatic & both inputs cannot be used at the same time.
- A HDMI STP Receiver will be available behind the display for conversion between the CAT 6 transmission method used to the HDMI input on the display.
- 15m DGKAT CAT 6 (23 AWG) bare solid copper cable has been catered for, for interconnecting all CAT 6 transmitters & Receivers.
- The display will be mounted by means of a wall-mount bracket.
- 1.8m VGA & Audio & HDMI fly-leads have been catered for, for laptop connectivity.
- Existing laptop interfaces to be re-used.
- Installation of the above.

**Executive Meeting Room:**

- 1x 55" Full HD LED TV will be available, to be connected to the existing HD decoder.
  - The display is to support the Clear motion rate of 800.