ANNEXURE Z

Details of the existing Planetarium Projection System
(To be dismantled)- For buyback purpose

Optomechanical system

Model No. RFP DP2 Space Flight Planetarium Projector system

OEM: Carl Zeiss Jena (Germany)

The projector system consists of Central star field projector along with six motions - {Diurnal, Annual, Polar Altitude, Azimuth, Vertical Circle, Precession}, planets (Mercury to Saturn); grids; constellations - (Zodiac and some Non - Zodiac); Solar Eclipse; Sun; Moon

There are auxiliary special effect projects - Solar System and periodic comet (Heliocentric View); Zoom (Earth - Mars); Zoom (Jupiter Saturn); Shooting Stars; Galilean Satellites; Comet; Aurors.

Digital system

JVC Projectors RS 60 (9 Numbers + 1 Extra)
(Detailed Specification attached)

Configurator: Powerdome III (By Carl Zeiss)

Audio: 5.1 Dolby system

TECHNICAL SPECIFICATION OF JVC D-ILA RS60

Resolution: Full HD D-ILA device (1920 x 1080)

Lens: 2 x motorised zoom/focus; f=21.4mm - 42.8mm; F=3.2 - 4

Projection size: 60 - 200 inches (screen diagonal)

Lens shift function: -/+ 80% Vertical and -/+34% Horizontal (motorised)

Light source lamp: 220W Ultra-High Pressure Mercury Lamp (lamp life: approx. 3000 hours when lamp is in Normal mode)

Brightness: 1,300lm

Contrast Ratio: Native: 100,000:1

Input/Output Terminals: Input: Component x (RCA; Y, PB/CB, PR/CR), HDMI x 2

(Ver.1.4a, 3D, Deep Colour CEC compatible), Analogue RGB for

PC X 1 (D-sub 15-pin)

Output: Trigger x 1 (mini jack, DC 12V/100mA), 3D sync x 1

(mini DIN 2-pin)

Video inputs: Digital: 480i/p, 576i/p, 720p 50/60, 1080i 50/60, 1080p 24/50/60;

Analogue: 480i/p, 576i/p, 720p 50/60, 1080i 50/60

Noise level: 20dB (in normal mode)

Power requirement: AC 110V-240V, 50/60 Hz

Power consumption: 350W (Stand-by: 0.9W)

Dimensions (WxHxD): 455 x 179 x 472 mm

Weight: 15.1 kg