

LIST OF APPROVED MANUFACTURERS/MAKES

List of approved makes of materials is listed below. However, approved equivalent materials of any other specialized makes may be used in case it is established that the brands specified below are not available in the market subject to approval by the Engineer-in-charge. Approval for the same is to be obtained from the appropriate authority of Indian Museum, Kolkata prior to the Pre-Bid Meeting.

I. INTERIORS

SL. NO.	MATERIAL	MANUFACTURER/SUPPLIER/MAKE
1	TOUGHENED LAMINATE GLASS	ATUL, SAINT GOBAIN, MODI GUARD, INDO, ASAHI
2	BOILING WATERPROOF MARINE PLY-WOOD – GRADE I	MERINO, GREENPLY, ARCHIDPLY, CENTURY
3	PAINT	ASIAN PAINTS, ICI, NEROLAC, BERGER
4	EXPANSIONSBOLTS, ANCHOR FASTENER	HILTI, FISCHER, EBCO
5	ALUMINIUM EXTRUSION SECTIONS	HINDALCO, INDALCO, JINDAL, BHORUKA, MAHAVIR
6	LAMINATE	MERINO, GREENLAM, ARCHIDPLY, CENTURY
7	FABRIC	COLORAYS, RESPONSE, VIMAL OR APPROVED EQUIVALENT
8	LOCKS & HANDLES	HETTICH, HAFELE, BLUM, Godrej
9	HARDWARE FITTINGS	HETTICH, HAFELE, BLUM (ALL SOFT-CLOSING)
10	SILICON SEALANT	DOW CORNING, GE, HILTI
11	MELAMINE POLISH	MRF, BERGER, ASIAN
12	WOOD VENEER	GREEN, MERINO, CENTURY, ARCHIDPLY, SHARDA PLYWOOD
13	SCREW	KUNDAN, ARROW, JINDAL, SAVEX
14	COMMERCIAL PLY & BOARD	MERINO, GREENLAM, ARCHIDPLY, CENTURY
15	SOLID ACRYLIC SURFACE & ITS JOINTING ADHESIVE	LG HI-MACS, DUPONT, SAMSUNG, LUXOR -DURLAX
16	ADHESIVETAPES/VINYL PAPER/PRINT/MEDIA/SELF	3M, AVERY, LG or approved equivalent

SL. NO.	MATERIAL	MANUFACTURER/SUPPLIER/MAKE
17	CANVAS	DUPONT, WHITE, or approved equivalent
18	ACP	VIVA, ALUCOBND, ALSTRONG, ALUDECOR
19	LED MODULE	SAMSUNG, OSRAM, LT
20	ACRYLIC	PALARAM, or approved equivalent
21	Glass Patch Fitting Hardware Accessories	OZONE, DORMA, HETTICH
22	STRETCH FABRIC	NEWMAT, BARRISOL

Note: The agency must quote the rates based on price of the brand/make stipulated in the item of works as described in Schedule of Rates, Specifications, and Drawings. The owner reserves the right to select any of the brands indicated in the “list of approved makes/agencies” in case of delay in delivery of ordered „make of item. The contractor shall not claim anything extra if the owner changes the make / agencies but within the list of approved makes.

SCOPE OF WORK

The brief scope of work shall generally comprise of but not be limited to the following.

- Supply Installation Testing & Commissioning of Museum lighting fixture, Track, track light, linear surface, wall Washer, Led Strip light, Magnetic Profile with lighting fixture, Projector Framer, Surface spot light fixture etc. with 5-year warranty, including approval light color temp and fixture finish from architect.
- Defect liability period shall be 5 (year) year from the date of completion of the work certified by Engineer in Charge.
- Manufacturing authorization certificate will be required from all the OEMs

II. LIGHTING

SL.NO.	MATERIAL	MANUFACTURER/SUPPLIER/MAKE
1	TRACK LIGHT FOR HIGHLIGHTING	IBL / LINEA LIGHT / IGUZZINI/ LIGHTING TECHNOLOGIES/XAL/FLOS/Hoffmeister.
2	TRACK LIGHT FOR WALL WASHING	IBL/ LINEA LIGHT / IGUZZINI / LIGHTING TECHNOLOGIES/ XAL/FLOS/Hoffmeister.
3	TRACK LIGHT FOR WALL WASHING	IBL / LINEA LIGHT / IGUZZINI / LIGHTING TECHNOLOGIES/ XAL/FLOS/Hoffmeister
4	TRACK	IBL / LINEA LIGHT / IGUZZINI / LIGHTING TECHNOLOGIES. / XAL/FLOS/Hoffmeister
5	LINEAR SURFACE MOUNTED FIXTURE FOR ARCH LIGHTING	IBL/ FRANCESCONI / ENDO / LIGHTING TECHNOLOGIES/ led linear/XAL.
6	LINEAR SURFACE MOUNTED FIXTURE FOR GRAZING	IBL/FRANCESCONI / IGUZZINI / LIGHTING / ENDO TECHNOLOGIES/ led linear/XAL
7	RECESS MOUNTED MINIATURE ZOOM LIGHT FIXTURE	IBL/FRANCESCONI / ENDO / LIGHTING TECHNOLOGIES/ XAL/ DISPLAY LIGHTING
8	RECESS MOUNTED MINIATURE LIGHT FIXTURE	IBL/FRANCESCONI / ENDO / LIGHTING TECHNOLOGIES/ XAL/DISPLAY LIGHTING.
9	ALUMINIUM PROFILE WITH LED STRIP LIGHT	LINEA LIGHT / ENDO / IBL/ LIGHTING TECHNOLOGIES/XAL/OSRAM
10	LINEAR SURFACE MOUNTED FIXTURE FOR GRAZING	FRANCESCONI / ENDO / LIGHTING TECHNOLOGIES/ OSRAM/FLOS/MODULEX.
11	SURFACE MOUNTED SINGLE HEAD FIXTURE	LINEA LIGHT / IGUZZINI / LIGHTING TECHNOLOGIES/ XAL/FLOS.

SL.NO.	MATERIAL	MANUFACTURER/SUPPLIER/MAKE
12	MINIMAL TRACK	ARKOS/ IGUZZINI /ENDO / LINEA LIGHT / LIGHTING TECHNOLOGIES/FLOS.
13	MAGNETIC SPOT LIGHT	ARKOS / IGUZZINI /ENDO / LINEA LIGHT / LIGHTING TECHNOLOGIES/FLOS.
14	LED FLEXIBLE TRACK MOUNTED ADJUSTABLE LED SPOT	ENDO / LINEA LIGHT / LIGHTING TECHNOLOGIES/IGUZZINI/HOFFMEISTER/XAL
15	STAND MOUNTED MUSEUM CABINET LIGHTS	ENDO / LINEA LIGHT / IGUZZINI /LIGHTING TECHNOLOGIES/XAL
16	DECORATIVE PENDANT LIGHT	LICHTLUX /DWARKA INDIA/ JAQUAR/LANTERN
17	MINIATURE PROFILE	ARKOS /ENDO / LINEA LIGHT / IGUZZINI /LIGHTING TECHNOLOGIES/XAL/FLOS.

SCOPE OF WORK

The brief scope of work shall generally comprise of but not be limited to the following.

Supply Installation Testing & Commissioning of Multimedia fixture

- Supply Installation Testing & Commissioning of Multimedia fixture, Touch screen, Led Tv, multitouch screen, Projector, Audio, CAT6a Cable etc. with 5-year warranty including approval item from Engineer in Charge/consultant.
- Manufacturing authorization certificate will be required from all the OEMs
- Defect liability period shall be 5 years from the date of completion of the work certified by Engineer in Charge.

III. AUDIO-VISUAL AND INTERACTIVE

SL. NO.	MATERIAL	MANUFACTURER/SUPPLIER/MAKE
1	75" TOUCH SCREEN LED DISPLAY	CHRISTIE, SHARP, SAMSUNG, L. G
2	55" TOUCH SCREEN LED DISPLAY	CHRISTIE, SHARP, SAMSUNG, L. G
3	55" NON-TOUCH SCREEN LED DISPLAY	CHRISTIE, SHARP, SAMSUNG, L.G
4	32" TOUCH SCREEN LED DISPLAY	CHRISTIE, SHARP, SAMSUNG, L. G
5	32" NON-TOUCH SCREEN LED DISPLAY	CHRISTIE, SHARP, SAMSUNG, L.G
6	24" TOUCH SCREEN LED DISPLAY	CHRISTIE, SHARP, SAMSUNG, L. G
7	MEDIA PLAYER AND SIGNAGE SOFTWARE	XTRAVU, XTREME MEDIA, SAMSUNG
8	ACTIVE LED VIDEO WALL	DELTA, SAMSUNG, DAKTRONICS, CHRISTIE, AET
9	9500 LUMENS DLP LASER PROJECTOR	CHRISTIE, NEC, BARCO, DIGITAL PROJECTIONS, PANASONIC
10	6700-7000 LUMENS DLP LASER PROJECTOR	CHRISTIE, NEC, BARCO, DIGITAL PROJECTIONS, PANASONIC
11	13500 LUMENS DLP LASER PROJECTOR	CHRISTIE, NEC, BARCO,
12	DISPLAY MEDIA SERVER	CISCO/ARUBA/DELL/HP/ MEDIALON
13	3D PROJECTION MAPPING SOFTWARE	PIXERA/WATCHOUT/MEDIALON/COOLUX
14	TRANSMITTER, RECEIVER	EXTRON/ KRAMER/ LIGHTWARE/ATEN
15	CAT6A CABLE	EXTRON/ KRAMER/ LIGHTWARE/BELDON/DLINK/ KRYSTAL
16	NETWORK MANAGEMENT PLATFORM	EXTRON/ KRAMER/ LIGHTWARE
17	MINI PC	DELL/HP/LENOVO/INTEL

SL. NO.	MATERIAL	MANUFACTURER/SUPPLIER/MAKE
18	QR CODE STREAMING SERVER	DELL/HP/ORDAIN/AVSAPCE/ EQUIVALENT
19	NETWORKING SYSTEM	NETGEAR, CISCO, JUNIPAR, DLINK, RUKUS
20	HEADPHONES	SONY, BOSE, SENNHEISER, AKG
21	UPS	APC / VERTIV / DELTA / TMEIC / EATON
22	RIGID CONDUITS	AKG, BEC, PRECISION, POLYPACK, SHRINATH, POLYCAB, PLAZA, DAUPHIN, RICHA
23	CABLE	RR Kabel, National, Finolex, Havells
24	ACCESSORIES for NETWORKING SYSTEM	SYSTIMAX/PANDUIT/SEIMON/LEGRAND VAL RACK /MTS/ APW PRESIDENT /MTS/ CISCO /NETGEAR/ ALLIED TELESIS / HP/ ARUBA /CAMBIUM CISCO/ALLIED TELESIS/NETGEAR / HP CISCO /NETGEAR/ ALLIED TELESIS / HP/AMP As approved by engineer/consultant.

IV. AUDIO

SL. NO.	MATERIAL	MANUFACTURER/SUPPLIER/MAKE
1	CEILING MOUNTED MUSIC LOUDSPEAKER	EAW, AIMLINE AUDIO, BOSE, L-Acoustics
2	CLASS D POWER AMPLIFIER	LAB GRUPPEN, POWER SOFT, BOSE, BIAMP
3	CEILING/WALL MOUNTED MUSIC AND PA LOUDSPEAKER	LAB GRUPPEN, POWER SOFT, BOSE, BIAMP
4	DIGITAL SOUND PROCESSOR	BOSE, BI-AMP, SYMETIRX, POWER SOFT
5	AUDIO PLAYER	APART, WORK PRO, SONY
6	MOVING COIL MICROPHONE	SHUR, TOA, SENNHEISER
7	SPEAKER CABLE	KRYSTAL, BELDAN, KLOTZ
8	24U EQUIPMENT RACK	COMRACK, MARK, NETGEAR

V. Wireless Security System

SL. NO.	MATERIAL	MANUFACTURER/SUPPLIER/MAKE
1	WIRELESS PANEL POWER MASTER	VISONIC, BOSCH, HONEYWELL
2	INTERNAL GSM DIALER	VISONIC, BOSCH, HONEYWELL
3	INTERNAL IP MODULE	VISONIC, BOSCH, HONEYWELL

SL. NO.	MATERIAL	MANUFACTURER/SUPPLIER/MAKE
4	SIREN AND HIGH-POWER STROBE	VISONIC, BOSCH, HONEYWELL
5	MINI MAGNETIC DOOR CONTACT	VISONIC, BOSCH, HONEYWELL
6	WIRELESS REPEATER EXTENDS	VISONIC, BOSCH, HONEYWELL
7	WIRELESS GLASS BREAK DETECTOR	VISONIC, BOSCH, HONEYWELL
8	VIBRATION SENSOR	VISONIC, BOSCH, HONEYWELL
9	WIRELESS INDOOR PIR WITH CMOS CAMERA	VISONIC, BOSCH, HONEYWELL