

Name of Work: Engagement of Firm/Agency for fabrication, supply, installation, commissioning and testing of Interiors and Museum Display Cases, Artifact installation, Signage, Artwork, Display Panels, Interactive & Lighting in specified galleries at Indian Museum, Kolkata including Operation and Comprehensive Annual Maintenance of the same for five years

| Sl. No. | Item Description | Quantity | Unit | Estimated Rate | Total Amount (Exclusive of GST) | Total Amount (Inclusive of GST) |
|---------|---|----------|------|----------------|---------------------------------|---------------------------------|
| 1 | Display Units: Providing and making Pedestals by Fabricating MS Section inner support pedestal to with stand made from 50 x 50mm box iron section screwed and welded, cladding of 18/19 mm thick low VOC fully fire retardant BWP Ply on all sides & Top M.S. members to be coated with zinc oxide and painted approved colour with epoxy paint. Item to include all necessary grooves, tools, hardware necessary fixing details and provision for fixing lighting etc. Complete as per design and drawing as directed by incharge - Item to be paid as per the Length x Breadth x Height of the finished pedestal | 32.8 | Cum | 32572.88 | 1068390.51 | 1260700.80 |
| 2 | Display Units: Providing and making Pedestals by Fabricating MS Section inner support pedestal to with stand made from 50 x 50mm box iron section screwed and welded, cladding of 18-20mm thick granite stone as per approved colour & shade on all sides & Top. M.S. members to be coated with zinc oxide and painted approved colour with epoxy paint. Filling the foam between the stone sculptures and the M.S frame & fixed with anchored Climaps ware painted to match the colour and texture of the stone. Item to include all necessary hardware, grooves, tools, araldite, strong adhesive .Complete as per design and drawing as directed by incharge - Item to be paid as per the Length x Breadth x Height of the finished pedestal | 5.91 | Cum | 42666.95 | 252161.67 | 297550.77 |
| 3 | Display Units: Providing and making Pedestals by Fabricating MS Section inner support pedestal to with stand made from 50 x 50mm box iron section screwed and welded, cladding of 18-20mm thick granite stone on all sides & Top. M.S members to be coated with zinc oxide and painted black with epoxy paint. Filling the foam between the stone sculptures and the M.S frame & fixed with anchored Climaps ware painted to match the colour and texture of the stone. 8mm thick extra clear toughened Glass on all four sides and top. Glass to be fixed into grove of the stone. Item to include all necessary grooves, tools, hardware necessary fixing details and provision for fixing lighting etc..complete as per design and drawing as directed by incharge - Item to be paid as per the Length x Breadth x Height of the finished pedestal | 3.35 | Cum | 55627.97 | 186353.69 | 219897.35 |
| 4 | Display Units: Providing and making 600 mm depth Pedestals by Fabricating MS Section inner support pedestal to with stand made from 50 x 50mm box iron section screwed and welded, cladding of 18/19 mm thick low VOC fully fire retardant BWP Ply on all sides & Top finish with 6mm Acrylic solid surface all visible surface. M.S. members to be coated with zinc oxide and painted black with epoxy paint. Item to include all necessary hardware grooves, tools, locks etc. Complete as per design and drawing as directed by incharge - Item to be paid as per the front area | 21.66 | Sqm. | 66325.42 | 1436608.68 | 1695198.24 |
| 5 | Clading of Pedestals, display units, stone sculpture base and partitions of required size, design and finish with 16-20 mm thick granite stone as per approved colour & shade, including making grooves, polishing, finishing, tools, hardware, framing, supports etc. required to complete the item in all respects | 5 | Sqm. | 4323.73 | 21618.64 | 25510.00 |
| 6 | Providing & Fixing of 6mm thick Acrylic solid surface of approved make & colour use for cabinets inner/otuer side fixed with appropriate adhesive complete as per approved by engineer in charge. | 347.5 | Sqm. | 9946.61 | 3456447.03 | 4078607.50 |
| 7 | Carefully Remove from cabinet, pedestal of wood work , Acrylic solid surface & 18-20 mm thick exsting Stone from cabinet & showcase including sTeaking the material within 50 metres lead : | 757.78 | Sqm. | 59.32 | 44953.05 | 53044.60 |
| 8 | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) | 1.00 | Cum | 1700.93 | 1700.93 | 2007.10 |
| 9 | Providing and fixing wall paneling using using M.S section frame of size 50x50x4mm @600 mm c/c in both directions duly to be coated with zinc oxide and painted black with epoxy paint. cladding 6 mm thick ACP (Aluminium Composite Panels) complete with required Item to include all necessary grooves, tools complete as per design, as directed by engineer incharge | 1408.38 | Sqm. | 6343.22 | 8933664.66 | 10541724.30 |
| 10 | Providing and fixing wall paneling using M.S section frame of size 50x50x4mm @600 mm c/c in both directions duly to be coated with zinc oxide and painted black with epoxy paint. Item to include all necessary grooves, tools, hardware necessary fixing details cladding with 18/19 mm thick low VOC fully fire retardant BWP Ply with 1 mm thick laminate complete with required hardware Screw complete as per design, as directed by engineer incharge | 407.3 | Sqm. | 5988.98 | 2439312.80 | 2878389.10 |
| 11 | Provding & fixing of Reception Table Top made of 45 mm thick Second class teak wood , all exposed surfaces & Internal support made of 45 mm Second class teak wood finish with melamine polish . Internal shelves shall be of 19 mm thick teak wood. all inside surface of ply to be finish with melamin polish . Tabale all side 150x35 mm teak wood moulding polish finish as per drawing at front. 25mm thick wood shutters cover of Shelf fixed with hinges finish with polish. Front side 10 mm toughened glass fixed with 20x20 mm Second class teak wood beading . Table will be provided Drawer mobile & desktop pedestal fitted with metabox sliding system and front mounted single lock system Key Board Tray etc complete .Item to include all necessary hardware including concealed SS hinges, concealed SS handles, SS knobs, locks, screws, nails, fevicol, etc Table 680mm depth, Front Area to be measured | 1.4 | Sqm. | 89063.56 | 124688.98 | 147133.00 |
| 12 | Providing & fixing display cabinet 1000mm deep to be made using 32 mm BWP marine Plywood back fixed in wall M.S section frame of size 50x50x4mm @600 mm c/c in both directions duly to be coated with zinc oxide and painted black with epoxy paint and all sides 18/19 mm thick low VOC fully fire retardant BWP Ply finished with 6 mm Acrylic solid surface finish on outside and 1 mm thickness Lamination inside .Front glass (3540mm) to be extra clear mm (5+5+1.5)11.5 mm thick laminated toughened . Glass to be fixed with 50x100 First class teak wood member finished with Acrylic solid surface including required Ghana teak wood mounding, beading including antisemite treatment as per suitable size complete Item to include all necessary grooves, tools, hardware necessary fixing details and provision for fixing lighting etc. Complete as per design and drawing as directed by incharge. Mode of Measurement item to be paid as per front side | 133.21 | Sqm. | 31992.37 | 4261703.99 | 5028810.71 |

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| 13 | Half Circle 1150 mm Height Display Units: Providing and making Pedestals by 18/19 mm thick low VOC fully fire retardant BWP Ply Front, Back, Side , top & inside support as shown in the dwg. All exposed surfaces & inside of the cabinet shall be finished with approved colour 6 mm Acrylic solid surface finish. Glass on all four sides and top (Front side Height 450mm & back side height 250mm to be extra clear (5+5+1.5)11.5 mm thick laminated toughened). Glass to be fixed with 100x50mm first class teakwood member with required Ghana twakwood beading including antitermite treatment Item to include all necessary grooves, tools, hardware necessary fixing details and provision for fixing lighting etc. Complete as per design and drawing as directed by incharge - Mode of Measurement item to be paid as per top side | 10.88 | Sqm. | 77916.10 | 847727.19 | 1000318.08 |
| 14 | Providing & fixing of Coin display cabinet depth 425 mm made of 25 mm thick low VOC fully fire retardant BWP Ply back with 50x100 second class teak wood member. Front make Nich 25 mm bwp ply finished with 1 mm laminate finish nich depth 275 mm . Nish Front Cover with 8 mm Toughened extra clear glass. Glass to be fixed with 40x25 mm thick First class teak wood member finished.with antitermite treatment as per suitable size complete with required hardware, hinges,high, locks)powder coated brass fittings complete as per design, drawing and as directed by engineer incharge Cabinet Front area Measured | 157.13 | Sqm. | 11743.22 | 1845212.21 | 2177350.41 |
| 15 | Providing & fixing of Coin display cabinet 300 mm depth made of 25 mm thick low VOC fully fire retardant BWP Ply all side finished with 1 mm laminate finish and center supports in 50mm thick second class teak wood member. Both side nish Front Cover with 8 mm Toughened extra clear glass. Glass to be fixed with 25x25 mm thick First class teak wood member finished.with antitermite treatment as per suitable size complete with required hardware, hinges,high, locks powder coated brass fittings complete as per design, drawing and as directed by engineer incharge Cabinet Front area Measured | 13.07 | Sqm. | 26322.03 | 344028.98 | 405954.20 |
| 16 | Providing & fixing Touch Screen display cabinet 800 mm Heigh to be made using 25 mm thick low VOC fully fire retardant BWP Ply wood Front, Back, Side , top & inside support as shown in the dwg. All exposed surfaces of the cabinet shall be finished with approved colour 6 mm Acrylic solid surface finish . Top Side cut out for touch screen in the centre for screen. Display case one side to be openable .The rate shall be inclusive of beading , antitermite treatment adhesive and all the hardware like nails, screws, etc. required to complete as shown in the drawing as per directed by incharge Cabinet height 800mm. Mode of Measurement item to be paid as per top side | 9.96 | Sqm. | 47643.22 | 474526.47 | 559941.24 |
| 17 | Providing & fixing display cabinet 500mm deep to be made using 32 mm thick low VOC fully fire retardant BWP Plywood back and all sides & inside18/19 mm thick low VOC fully fire retardant BWP Ply finished with 6 mm Acrylic solid surface finish on outside and 1 mm thick Lamination inside .Front glass (1720mm) to be extra clear mm (5+5+1.5)11.5 mm thick laminated toughened . Glass to be fixed with 50x100 First class teak wood member finished with Acrylic solid surface including required Ghana teak wood mounding, beading including antitermite treatment & 5 mm frosted acrylic sheet as per suitable size complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by incharge Cabinet Depth 500. Mode of Measurement item to be paid as per front side | 12.60 | Sqm. | 27031.36 | 340595.08 | 401902.20 |
| 18 | Providing & fixing display cabinet 500mm deep to be made using 32 mm thick low VOC fully fire retardant BWP Plywood back fixed in wall with 50x100 mm thick Second class teak wood @600 mm c/c in both directions & inside18/19 mm thick low VOC fully fire retardant BWP Ply finished with 6 mm Acrylic solid surface finish on outside and 1 mm thick Lamination inside .Front glass (1720mm) to be extra clear mm (5+5+1.5)11.5 mm thick laminated toughened . Glass to be fixed with 50x100 First class teak wood member finished with Acrylic solid surface including required Ghana teak wood mounding, beading including antitermite treatment as per suitable size complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by incharge. Mode of Measurement item to be paid as per front side | 128.45 | Sqm. | 23192.37 | 2979060.30 | 3515291.15 |
| 19 | Providing & making of matte acrylic pedestals of 15 mm thickness with required internal supports. Item to incude all necessary groves, tools ,hardware complete as per design, drawing and as directed by incharge Mode of Measurement item to be paid as per the Length x Breadth x Height of the finished pedestal | 10 | Cum | 78412.71 | 784127.12 | 925270.00 |
| 20 | Providing & fixing of diorama display cabinet bottom 2700 mm length and 1200 mm depth of which 900 mm depth is 200 mm high and rest 300 mm depth is 1600 mm high made of 18/19mm thick low VOC fully fire retardant BWP Ply all side finished with 6 mm Acrylic solid surface finish and 50x100mm thick second-class teak wood member. Both side finish Front Cover with 6 mm Toughened extra clear glass. Glass to be fixed with 25x50 mm thick First class teak wood member finished with anti-termite treatment as per suitable size complete with required hardware, hinges, high, locks powder coated brass fittings complete as per design, drawing and as directed by engineer in charge. | 4.00 | Each | 292500.36 | 1170001.46 | 1380601.72 |
| 21 | Providing & fixing display cabinet 750mm deep to be made using 18/19 mm thick low VOC fully fire retardant BWP Ply finished with 6 mm Acrylic solid surface finish on outside and 1 mm thick Lamination inside. Cabinet inside led Fabric backlit (printed on UV machine) fitted in 100 mm aluminium panel with fabric sheet and cover led module light with SMPS power supply of 12V 8 amp dc power . Front glass (3180mm) to be extra clear mm (5+5+1.5)11.5 mm thick laminated toughened . Glass to be fixed with 50x100 First class teak wood member finished with Acrylic solid surface including required Ghana teak wood mounding, beading including antitermite treatment as per suitable size complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by incharge. Mode of Measurement item to be paid as per front side (25 mm Plywood back fixed in wall with 50x100 mm thick Second class teak wood @600 mm c/c in both directions paid will be extra) | 76.25 | Sqm. | 29493.22 | 2248858.05 | 2653652.50 |

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| 22 | Providing & fixing display cabinet 750mm deep to be made using 18/19 mm thick low VOC fully fire retardant BWP Ply finished with 6 mm Acrylic solid surface finish on outside and 1 mm thick Lamination inside. Front glass (3180mm) to be extra clear mm (5+5+1.5)11.5 mm thick laminated toughened . Glass to be fixed with 50x100 First class teak wood member finished with Acrylic solid surface including required Ghana teak wood mounding, beading including antitermite treatment as per suitable size complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by incharge. Mode of Measurement item to be paid as per front side | 115 | Sqm. | 23688.14 | 2724135.59 | 3214480.00 |
| 23 | Providing & fixing display platform to be made using 19mm thick low VOC fully fire retardant BWP Ply 300mm high with 6mm Acrylic solid surface finish on all visible surfaces and supports inside the structure complete with required hardware,powder coated brass fittings complete as per design, drawing and as directed by incharge .Mode of Measurement item to be paid as per top side | 11.26 | Sqm. | 23466.95 | 264237.85 | 311800.66 |
| 24 | Providing and Fixing wooden and glass railing height 900mm made of wooden ornamental design pillars @1800 mm C/C size of 125x125x900mm .10mm thick toughened glass (height 750mm)fixed in wooden pillar including required hardware, PU polish etc. as per design, drawing and direction of engineer incharge | 26.5 | Rmt | 5186.44 | 137440.68 | 162180.00 |
| 25 | Labour charge for fixing of statues on pedestals including shifting of models manually to their respective location, cutting of pedestal top as per sculpture size after marking the outline of it's base on pedestal top, placing the sculptures on pedestal and fixing of the same with beading/putty, as directed by an experienced Art Conservator, specializing in conservation and handling of stone sculptures | 287 | Nos. | 1391.53 | 399367.80 | 471254.00 |
| 26 | Providing & Display of artifacts using acrylic sheet, nails, screw, glass shelves 12mm, fevicol, feviquick e.t.c. including fixing of sculpture, artifacts, antiquities etc.. over display cabinets and making photo framing of photographs complete display work of museum showcases.. | | | | | |
| 26.1 | Acrylic Sheet- 4mm thick | 5.00 | Sqm. | 2711.86 | 13559.32 | 16000.00 |
| 26.2 | Glass Sheet – 12mm thick 300x250mm | 110.00 | Each | 186.44 | 20508.47 | 24200.00 |
| 26.3 | Glass Sheet – 12mm thick 400x200mm | 25.00 | Each | 237.29 | 5932.20 | 7000.00 |
| 26.4 | Glass Sheet – 12mm thick 1800x300mm | 3.00 | Each | 1906.78 | 5720.34 | 6750.00 |
| 26.5 | D bracket S.S. 12mm | 240.00 | Each | 152.54 | 36610.17 | 43200.00 |
| 26.6 | Feviquick, adhesive | 1.00 | LS | 1949.15 | 1949.15 | 2300.00 |
| 26.7 | S.S screws 16 No | 2.00 | 100 nos. | 491.53 | 983.05 | 1160.00 |
| 26.8 | S.S screws 19 No. | 2.00 | 100 nos. | 508.47 | 1016.95 | 1200.00 |
| 26.9 | S.S screws 25 No. | 2.00 | 100 nos. | 669.49 | 1338.98 | 1580.00 |
| 27 | Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with wooden beading frame of approved make and shade with 6 mm thick hard board backing : | 3.9 | Sqm. | 2938.14 | 11458.73 | 13521.30 |
| 28 | Covering openings/exposed fixtures/ A/C Ducts e.t.c. with 19mm thick low VOC fully fire retardant BWP Ply with 1 mm laminate finish including cost of making grooves/openings/ louvers as per requirement, duly fixed using SS fastners/Screws, including all hardware, as per directions of Engineer in charge/Consultant . Exposed Surface area of board to be measured | 150 | Sqm. | 3146.61 | 471991.53 | 556950.00 |
| 29 | Providing & fixing of surface type cornices for covering the exposed conduits made of 2nd class teak wood mouldings as in cornices (beading), cost of required Scaffolding Cornice size 300x70x325(h)mm finish with Melamine polishing using SS fasteners/Screws, conduits side hollow space size 110x160mm including all hardware, as per directions of Engineer in charge/Consultant . | 184 | R.M | 11062.71 | 2035538.98 | 2401936.00 |
| 30 | Providing & fixing of 75-100 mm dia. Magnifier Glass lens fixed in coins cabinet using all hardware, as per directions of Engineer in charge/Consultant . | 17.00 | Each | 254.24 | 4322.03 | 5100.00 |
| 31 | Providing & fixing display cabinet 800mm deep to be made using 25mm thick low VOC fully fire retardant BWP Ply back fixed in wall with 50x50 mm thick M.S Frame work @600 mm c/c in both directions. M.S. members to be coated with zinc oxide and painted black with epoxy paint. and all sides 18/19 mm thick low VOC fully fire retardant BWP Ply finished with 1 mm laminate finish on outside inside .Front glass to be extra clear mm (5+5+1.5)11.5 mm thick laminated toughened . Glass to be fixed with 50x100 First class teak wood member. including required Ghana teak wood mounding, beading including antitermite treatment as per suitable size complete Item to include all necessary grooves, tools, hardware necessary fixing details and provision for fixing lighting etc.complete as per design and drawing as directed by incharge. Mode of Measurement item to be paid as per front side | 24.64 | Sqm. | 21425.42 | 527922.44 | 622948.48 |
| 32 | Providing & fixing display cabinet 850 mm depth to be made using 25 mm thick low VOC fully fire retardant BWP Ply back fixed in wall with 50x50 mm thick M.S Frame work @600 mm c/c in both directions. M.S. members to be coated with zinc oxide and painted black with epoxy paint. and all sides & support 18/19 mm thick low VOC fully fire retardant BWP Ply finished with 1 mm laminate finish on outside inside .Front glass to be extra clear mm (5+5+1.5)11.5 mm thick laminated toughened . Glass to be fixed with 50x100 First class teak wood member. including required Ghana teak wood mounding, beading including antitermite treatment as per suitable size complete Item to include all necessary grooves, tools, hardware necessary fixing details and provision for fixing lighting etc.complete as per design and drawing as directed by incharge. Mode of Measurement item to be paid as per front side | 267.84 | Sqm. | 17130.51 | 4588235.39 | 5414117.76 |
| 33 | Providing & fixing display cabinet 600 mm depth to be made using 25 mm BWP marine Plywood back fixed on wall. and all sides & support 18/19 mm thick low VOC fully fire retardant BWP Ply finished with 1 mm laminate finish on outside inside .Front & two side glass to be extra clear mm (5+5+1.5)11.5 mm thick laminated toughened . Glass to be fixed with 50x100 First class teak wood member. including required Ghana teak wood mounding, beading including antitermite treatment as per suitable size complete Item to include all necessary grooves, tools, hardware necessary fixing details and provision for fixing lighting etc.complete as per design and drawing as directed by incharge. Mode of Measurement item to be paid as per front side | 11.1 | Sqm. | 28356.78 | 314760.25 | 371417.10 |

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| 34 | Providing & fixing display cabinet 800 mm depth to be made using 25 mm thick low VOC fully fire retardant BWP Ply back fixed on wall with 50x50 mm thick M.S Frame work @600 mm c/c in both directions. M.S. members to be coated with zinc oxide and painted black with epoxy paint and all sides & support 18/19 mm thick low VOC fully fire retardant BWP Ply finished with 1 mm laminate finish on outside inside. Front & two, top & two side glass to be extra clear mm (5+5+1.5)11.5 mm thick laminated toughened. Glass to be fixed with 50x100 First class teak wood member. including required Ghana teak wood mounding, beading including antitermite treatment as per suitable size complete item to include all necessary grooves, tools, hardware necessary fixing details and provision for fixing lighting etc.complete as per design and drawing as directed by incharge. Mode of Measurement item to be paid as per front side (25 mm ply with 50x50 mm M.S frame item to be paid separately) | 9.87 | Sqm. | 18633.05 | 183908.21 | 217011.69 |
| 35 | Providing & fixing of 100% polyester knit fabric (PVC free). Fabric to adhere to following parameters: CE Certified as per EN 14716 & fire rated to Class A/Class I as per ASTM e84 and Bs1d0 as per DIN EN 13501-1. Weight of fabric to be 205 gsm. Max tensile strength as per DIN EN ISO 13934-1 length: 290.7N and cross: 1119.3N. Maximum Tensile elongation as per DIN EN ISO 13934-1 length: 65.4% cross: 34%. Trousar tear propagation as per DIN EN ISO 13937-2 length 26.1N cross 13.7N. Lengthwise Elasticity as per DIN EN 14704-1 to be 2.2%. VOC rating to be A+. All joints to be fused/provided with appropriate interface trims to be able to unmount the ceiling to access the lights. The ceiling shall be installed using a proprietary supplied PVC suspension system of maximum width of 16mm depending on the size, shape of the ceiling. Stretch fabric to be UV printed with 3 layer print with long lasting color fastness. Backlighting using Osram LED modules with appropriate drivers - system warranty on LEDs and Drivers to be minimum 5 years. Airtight frame of aluminium channels and WPC backing 12mm suspended using required hardware from RCC slab complete as per design and drawing as directed by incharge. | 127.4 | Sqm. | 20516.95 | 2613859.32 | 3084354.00 |
| 36 | 40 mm thick rubbed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand) with joints 3 mm thick, side buttered with cement mortar 1:2 (1 cement : 2 stone dust) admixed with pigment to match the shade of stone and pointing with same mortar. | 229.5 | Sqm. | 1094.92 | 251283.05 | 296514.00 |
| 37 | Providing & fixing bench 500mm Height to be made using 25 mm Commercial Plywood in 2 layers with 25x25mm timber members used as supports in between finished with 4 mm thick veneer with PU polished on all sides complete as per design, drawing and as directed by incharge. Bench Length 1800mm , Width 500mm & Height 500 mm | 3.6 | Sqm. | 24233.90 | 87242.03 | 102945.60 |
| 38 | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works | 2250 | kg | 120.59 | 271334.75 | 320175.00 |
| 39 | Providing & fixing of one side old coin replica in FRP & appropriate material coin various size 400-450 mm dai finish with old coin texture as per reference image given by consultant. | 74 | Nos | 8474.58 | 627118.64 | 740000.00 |
| 40 | Display Units: Providing and making Pedestals teak wood member inner support pedestal to with stand made from 50x50mm thick first class teak wood cladding of 18/19mm mm thick low VOC fully fire retardant BWP Ply on all sides & top finish with 6 mm Acrylic solid surface. 8mm thick extra clear toughened Glass on all four sides and top. Glass to be fixed with 30x50 First class teak wood member. including required Ghana teak wood mounding, beading including antitermite treatment as per suitable size complete item to include all necessary grooves, tools, hardware necessary fixing details and provision for fixing lighting etc.complete as per design and drawing as directed by incharge. | 3.33 | Cum | 65947.46 | 219605.03 | 259133.94 |
| 41 | Providing & fixing surface Type capping for covering the exposed conduits, made of 12 mm thick low VOC fully fire retardant BWP Ply for face panel and 30x30 mm 2nd class teak wooden member, two side (top & bottom) 20x30 mm teak wood beading as per approved design, finished with Melamine polishing duly anti termite treated to be fixed with Screw & fasteners as per directions of Engineer in charge/Consultant . size 150mm | 551.4 | Rm | 1088.14 | 599997.97 | 707997.60 |
| 42 | Providing and fixing of Signage, caption, photograph UV Digital printed on 3M make vinyl with lamination in matt finish. mounted on 5mm acrylic sheet fixed on existing wall or paneled wall surface complete as per design, drawing and as directed by incharge. | 22.12 | Sqm. | 5250.85 | 116148.75 | 137055.52 |
| 43 | Providing and fixing of Signage, graphics, caption, photograph UV Digital printed on 3M make vinyl with lamination in matt finish. mounted on existing wall or paneled wall surface complete as per design, drawing and as directed by incharge. | 1489.2933 | Sqm. | 2003.39 | 2983635.05 | 3520689.36 |
| 44 | Providing and fixing of Emergency Signage luminescent vinyl printed in on 6mm thick acrylic sheet back and 4 mm thick acrylic front sandwich panel , as per International standard signage graphic, mounted on Stainless Steel studs of complete as per drawing & design and direction of Architect consultants. | 3.6 | Sqm. | 13021.19 | 46876.27 | 55314.00 |
| 45 | Providing and fixing of 12 mm thick brass museum logo fixed in 30mm thick first class teak wooden frame brass logo fixed in wood , wooden frame fixed in wall with 48x100 mm thick wooden batten. finish with melamine polish required hardware and fittings as per drawing, design and direction of Architect | 1 | Each | 129661.86 | 129661.86 | 153001.00 |
| 46 | Providing and fixing of museum gallery Signage made of brass letter as per the approved drawing. The letter will be 10mm thick & height of the letter will be 100 mm in case of english and 100 mm in respect of hindi and other language including matra (100 mm for hindi alphabets & 50mm for matra). Brass having thickness of 18 gauge/ 1.2 mm including necessary approved brand matreial fixture and finishing requisite scaffoldings etc. complete job as required and as per the direction of engineer in charge. | | | | | |
| 46.1 | 100 mm high | 300 | Per let. | 1794.07 | 538220.34 | 635100.00 |
| 46.2 | 50 mm high Matra | 80 | Per let. | 690.68 | 55254.24 | 65200.00 |
| 47 | Providing and fixing of museum gallery Signage made of brass letter as per the approved drawing. The letter will be 10mm thick & height of the letter will be 50 mm in case of english and 50 mm in respect of hindi and other language including matra (50 mm for hindi alphabets & 75mm for matra). Brass having thickness of 18 gauge/ 1.2 mm finishing with approved colour & shade fixed with 30mm solid teak wood finish with polish. complete job as required and as per the direction of engineer in charge. | 4.5 | Sqm. | 68761.02 | 309424.58 | 365121.00 |

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| 48 | SITC of LED Track light fixture in Die cast aluminium body in cylindrical shape. The spotlight offers integrated phase Dimming option ranging from 40 - 100%. Fixture Dia should not be more than 70mm and the barrel length should be more than 160mm. This spotlight ideally helps in precision of the beam light is useful for museum/ exhibition or accent lighting application. The fixtures comes in (18-20) w which also includes the driver. System /Luminaire Efficacy should be 90 lpw or better. THD< 10 % with in built Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. The fixture comes with multiple beam angle to choose from from 10 deg to as wide as 60 deg. CCT - (2700/ 3000/ 4000)k with CRI>90. RAL Colour finish as per approval from Department /Architect. Input voltage is 220/ 240v. the fixture comes with a Rotation range of 355 deg and tilt angle of 90 deg. Fixture Life of 50,000 burning Hours. Ingress Protection of IP 20. | 138 | Nos. | 23610.17 | 3258203.39 | 3844680.00 |
| 49 | SITC of LED Track light fixture in Die cast aluminium body in cylindrical shape. The spotlight offers integrated phase Dimming option ranging from 40 - 100%. Fixture Dia should not be more than 70mm and the barrel length should be more than 160mm. This spotlight ideally helps in precision of the beam light is useful for museum/ exhibition or accent lighting application. The fixtures comes in (22-25)W which also includes the driver. System /Luminaire Efficacy should be 90 lpw or better. THD< 10 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. The fixture comes with multiple beam angle to choose from from 10 deg to as wide as 60 deg. color temp available 2700k/ 3000k /3500K/ 4000k with CRI>90 or better. RAL Colour finish as per approval from Department /Architect. Input voltage is 220/240v. the fixture comes with a Rotation range of 355 deg and tilt angle of 90 deg. Fixture Life of 50,000 burning Hours. Ingress Protection of IP 20. | 40 | Nos. | 26575.42 | 1063016.95 | 1254360.00 |
| 50 | SITC of LED Track light fixture in Die cast aluminium body in cylindrical shape. The spotlight offers integrated phase Dimming option ranging from 40 - 100%. Fixture Dia should not be more than 70mm and the barrel length should be more than 160mm. This spotlight ideally helps in precision of the beam light is useful for museum/ exhibition or accent lighting application. The fixtures comes in (26-30) W which also includes the driver driver System /Luminaire Efficacy should be 90 lpw or better. THD< 10 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. The fixture comes with multiple beam angle to choose from from 10 deg to as wide as 60 deg. color temp available 2700k/ 3000k /3500K/ 4000k with CRI>90 or better. RAL Colour finish as per approval from Department /Architect. Input voltage is 24v. the fixture comes with a Rotation range of 355 deg and tilt angle of 90 deg. Fixture Life of 50,000 burning Hours .Ingress Protection of IP 20. | 59 | Nos. | 31846.61 | 1878950.00 | 2217161.00 |
| 51 | SITC of Surface Mounted Track for Above Luminaires. Length of the track shall be 2 Mtr suitable for the above track spot luminaires. The track system shall be complete with live feed ends and endcap inclusive of all accessories | 195 | Mtrs | 9883.05 | 1927194.92 | 2274090.00 |
| 52 | SITC of LED Linear surface mounted Indirect Light luminaire enclosed in a profile made of aluminium anodized finish. The fixture comes with CCT (2700/3000/4000K) multi LED circuit runs on 24V DC with remote power supply. The total power consumption with Power supply is approx 18-20W in 900/1000mm length. Beam angle of the fixture i.e 11 x 76 Deg is designed in such a way so as to achieve arch effect. THD< 10 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. System /Luminaire Efficacy should be 90 lpw or better. The mounting brackets are part of the fixture. The fixture is 18-20mm width as that it merges with the aesthetics of the space. Fixture Life of 50,000 burning Hours .Ingress Protection of IP 40. | 150 | Each | 15483.90 | 2322584.75 | 2740650.00 |
| 53 | SITC of LED Linear surface mounted Indirect Light luminaire. The body is made of aluminium in anodized finish. The fixture comes with CCT (2700/3000/4000K) multi LED circuit runs on 24VDC with remote power supply. The total power consumption with Power supply is approx 30-32W in 1500mm length. Beam angle of the fixture i.e 11 x 76 Deg is designed in such a way so as to achieve arch effect. CRI>90. THD< 10 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. System /Luminaire Efficacy should be 90 lpw or better. The mounting brackets are part of the fixture. The fixture is 18-20mm width as that it merges with the aesthetics of the space. Fixture Life of 50,000 burning Hours .Ingress Protection of IP 40. | 20 | Nos. | 22292.37 | 445847.46 | 526100.00 |
| 54 | SITC of of Recess Mounted Minimum 3-4w Miniature Zoom Light fixture in with Body Made of Pressure Die Cast Aluminium Housing and Adjustable Eyeball Downlight than can be rotated through 350 Degree Titled 25 Degree and Beam Angle Adjustment from 10° to 60°. THD < 10 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV, CRI>90, CCT - (2700/3000/4000)k. Fixture dia should not be more than 30mm x 50mm height. RAL Colour finish as per approval from Department /Architect. System /Luminaire Efficacy should be 75 lpw or better. The fixture will run on 24V Supply. Avg Life of 50,000 Burning Hours @L70. | 370 | Nos. | 14824.58 | 5485093.22 | 6472410.00 |
| 55 | SITC of Recess Mounted (2-3)w Miniature Light fixture in with Body Made of Pressure Die Cast Aluminium Housing and Adjustable Eyeball Downlight than can be rotated through 350 Degree Titled 25 Degree. THD < 10 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. CRI>90, CCT -(2700/3000/4000)k. Fixture dia should not be more than 15 mm x 35 mm height. RAL Colour finish as per approval from Department /Architect. System /Luminaire Efficacy should be 75 lpw or better. The fixture will run on 24V Supply. Avg Life of 50,000 Burning Hours @L70. | 30 | Nos. | 11530.51 | 345915.25 | 408180.00 |
| 56 | SITC of Flexible Surface Mounting LED strip in (12-15)W/m with System /Luminaire Efficacy should be 90 lpw or better. CCT -(2700K/ 3000K/ 4000)K. The Dimension of the profile should not be more than .Width 20mm x 10 mm Height .The Flex to be mounted on High Quality Aluminium Profile. With CRI>90 or better inclusive of 12/24 v DC Driver and other accessories. Ingress Protection of IP65. System Life of 50,000 Burning Hours. THD < 10 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV | 277 | Mtr. | 3612.71 | 1000721.19 | 1180851.00 |

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| 57 | SITC of LED Recess/ Surface Mounting Linear Fixture with wall wash optics, the fixture is engineered which results in evenly lit wall from floor to ceiling. Wattage of the fixture should be minimum (10-12)w with CRI 90 or better. System /Luminaire Efficacy should be 90 lpw or better. THD < 10 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. The fixture will run on 24V Supply. Avg Life of 50,000 Burning Hours @L70. CCT -(2700/3000/4000)k with minimalistic design with precise optics. The fixture should be able to do the facade of exhibition cabinet wall, plane painting or painting exhibits or background instructions, are clearly and comfortably presentable. Linear light distribution. | 60 | Mtr. | 7138.14 | 428288.14 | 505380.00 |
| 58 | SITC of led surface mounted Single head adjustable led spot, the fixture has flexibility of tiltability from 15 deg and rotation of 355 deg within the same fixture. the body is made of die cast aluminium in white or black finish with internal black and white tube option to choose from. RAL Colour finish as per approval from Department /Architect. The fixture comes 10 w. System /Luminaire Efficacy should be 90 lpw or better. THD < 10 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. CCT- (2700k/3000/4000)k as per site requirement, beam angle option:- narrow beam with input voltage of 220-240v . Avg life of 50,000 Burning Hours @L70. | 10 | Nos. | 19217.80 | 192177.97 | 226770.00 |
| 59 | SITC of 1 meter Minimal Track is a low voltage (24V) surface track system, where the miniaturization of the profile, luminaires and components reaches a new paradigm. Its ultrafine design is perceived as a minimalist line on the ceiling, creating a trimless visual effect | 140 | Mtr. | 7247.46 | 1014644.07 | 1197280.00 |
| 60 | Sitc of projector for the Track system that offers the possibility of expanding or concentrating the beam light with just a smooth manual gesture. This characteristic . Plus the ideal alternative for applications where the precision within the beam of light is essential. The fixtures comes in Minium (3-5)w. System /Luminaire Efficacy should be 90 lpw or better. THD < 10 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. Comes with Beam angle adjustability from 10 - 35 deg. CCT (2700/3000/ 4000)K with CRI >90. RAL Colour finish as per approval from Department /Architect. Input voltage is 24V. The fixture has Swivel of 180 deg and rotation of 355 deg. Avg Life of 50,000 Burning Hours @L70. | 184 | Nos. | 28002.54 | 5152467.80 | 6079912.00 |
| 61 | Sitc of of Minimum (25-30)w Led Flexible Track Mounted Adjustable Led spot, the fixture has flexibility of adjustability from 0-90 deg and rotation of 330-355 deg within the same fixture. Adjustable Beam Angle (18-42)* and a set of four Framing Blades bring sharp edges or soft Edged, High Contrast Square , Rectangle or triangle shapes as per user requirement. System /Luminaire Efficacy should be 90 lpw or better. THD < 10 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. The Body is made of Pressure Die Cast Aluminium in white or black finish. CCT -(2700/ 3000/ 4000)k as per site requirement. Input voltage of 220-240v. THD < 5 % , CRI>95, PF>.95. RAL Colour finish as per approval from Department /Architect. Avg life of 50,000 Burning Hours @L70. | 30 | Nos. | 80510.17 | 2415305.08 | 2850060.00 |
| 62 | SITC of LED Mini Post Spot cabinet light, Minimum (2-3)W slim size, still equipped with creative consecutive beam angle zoom 13°~55°, by tuning the front loop, can realize light type conversion in a second, fitting different lighting requirement perfectly. The cabinet lights adopt museum class LED chips and advanced intelligent lighting control system, offer stand mounting, surface mounting and recessed mounting, satisfy the most strict lighting requirements for the museums and art galleries. CCT - (2700/3000/4000)K as per site requiremen. Input Voltage of 220-240V. THD < 5 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. CRI>90. System /Luminaire Efficacy should be 90 lpw or better. RAL Colour finish as per approval from Department /Architect . PF>.95. THD < 10 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. Avg life of 50,000 Burning Hours @L70. | 50 | Nos. | 27453.39 | 1372669.49 | 1619750.00 |
| 63 | SITC of 15-18 w classic lantern design made of Cast aluminum, clear beveled glass panels and RAL Colour finish as per approval from Department /Architect. finish. The fixture should be pendent Mounted Fixture with Hanging Arrangement from ceiling 1.5-2 meter. It embodies elegance & sophistication while adding an antique twist to any decor. The design mimics a vintage gas lantern, with a classic, tapered Conical shape and decorative top finial. Panes of clear glass fill all four side panels and the roof panels. | 15 | Nos. | 12711.02 | 190665.25 | 224985.00 |
| 64 | Sitc of miniature profile complete with Triangular or Rectangular shaped as per site requirement with the led flex. ideal application is to softly enlighten shelves, cupboards, cabinets, wardrobes or for other indirect lighting application. the wattage is 10w/m. System /Luminaire Efficacy should be 90 lpw or better. CCT - (2700/3000 /4000)k or as per requirement. CRI>90. THD < 5 % with inbuilt Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. Avg life of 50,000 Burning Hours @L70. | 62 | Nos. | 6369.49 | 394908.47 | 465992.00 |
| 65 | S&F following sizes (dia.) of ISI marked (IS:9537 P - II) rigid steel conduit with wall thickness according to IS Specified along with ISI marked (IS:14768 P-II 2003) accessories in recessed using saddles, clamps, fasteners, pvc bushes, check nuts, as required including cutting jhiris in the wall and making good the same as required | | | | | |
| 65.1 | 20 mm | 450 | Metre | 123.73 | 55677.97 | 65700.00 |
| 65.2 | 25 mm | 450 | Metre | 139.83 | 62923.73 | 74250.00 |
| 66 | Supplying and drawing FR PVC insulated & unshathed flexible copper conductor with ISI marked (IS:694) and as per IS 8130 : 2013 of 1.1 kV grade . Wire should be made from 99.90 % purity copper, class 5 stranding in acc. to IS:8130/IEC 60228 for lower watt loss , oxygen free for less chances of oxidization, insulation PVC type A/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS:3961 part 5 , in existing surface or recessed PVC/ MS conduit/casing capping making connections with Copper Lugs of suitable size, Ferrules, testing etc. as required. 2 x 1.5 sq.mm | 2500 | Metre | 36.44 | 91101.69 | 107500.00 |
| 67 | Labour charges for Removal of electrical wires/cables internal elevations (includes light fixture, track light & track etc.) in 9 galleries of museum as directed by Engineer incharge/ Architect, and including all leads, lifts and carriage. All complete. | 1 | Job | 42372.88 | 42372.88 | 50000.00 |

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| 68 | SITC of 75" UHD 4K High End Professional Display for AVSI Projects -CA72 Quad (1.7GHz) 2MB L2,4000:1 Native Contrast, 6MS Response time, Integrated Touch , Screen Mirroring, Object Recognition Range-2mm/4mm/8mm/50mm,8%-10% Haze Coating, Heat semi-strengthened glass, OPS slot support, with 16GB Internal Storage and Multi Touch, IR Touch Technology/ Capacitive, Temperature Sensor, Built in speaker(10W x 2), Wi-Fi, BT module embedded, File Security, OTN, with Mini PC with minimum intel i7 processor 32gb ram 1 tb SSD compatible graphics card, 4K HDMI Output, windows 10/11 pro including software with mounting and accessories. | 2 Nos. | 909552.54 | 1819105.08 | 2146544.00 |
| 69 | SITC of 55" UHD 4K High End Professional Display for AVSI & Digital Signage Projects -1.7GHz CPU Quad, 4000:1 native Contrast, 8MS Response, Screen Mirroring, Internal Storage, Sensor based, with 8GB Internal Storage and Multi Touch, In Glass Technology, Temperature Sensor, Pivot Display, Clock Battery, Built in Speaker(10W x 2), WIFI Module Embedded, File Security,OTN, with Mini PC intel i7 processor 32gb ram 1 tb SSD compatible graphics card, 4K HDMI Output, windows 10/11 pro including software with mounting, 3D depth sensor and accessories. | 1 Nos | 589523.73 | 589523.73 | 695638.00 |
| 70 | SITC of 55" UHD 4K High End Professional Display for AVSI & Digital Signage Projects -1.7GHz CPU Quad, 4000:1 native Contrast, 8MS Response, Screen Mirroring, Internal Storage, Sensor based, with 8GB Internal Storage and Multi Touch, In Glass Technology, Temperature Sensor, Pivot Display, Clock Battery, Built in Speaker(10W x 2), WIFI Module Embedded, File Security,OTN, with Mini PC intel i7 processor 32gb ram 1 tb SSD compatible graphics card, 4K HDMI Output, windows 10/11 pro including software with mounting and accessories. | 1 Nos. | 639523.73 | 639523.73 | 754638.00 |
| 71 | SITC of 55" FHD, Non-Glare display,Cortex A72 1.7GHz Quad-Core CPU, 8GB Storage,Embedded signage player to support seamless content playback, Haze Coating,HDMI,HDCP, USB, Stereo Mini Jack,RS232 (in), RJ45, Temperature Sensor, Pivot Display, Clock Battery,Built in Speaker (10W 2ch), IP5x Rating, Wi-Fi/ BT, Rigid 3-layered security system preventing any unauthorized access, Center IR and built-in Wi-Fi, Auto Source Switching & Recovery,EMC ClassB, Energy Star 8.0, Epeat ,Panel tech-VA, Native contrast-4000:1,500 nit Brightness, IP5X ,4K HDMI Output, including bade of pedstal 450 mm high & 4 Screen mounting on 1 pedstal also including software and accessories. | 7 Nos. | 223267.80 | 1562874.58 | 1844192.00 |
| 72 | Supply and installation of graphic Display system of the following configuration :- Configuration SMD 3-in-1 Pixel Pitch Coating/COB based Indoor Direct View True Color LED Wall 12.57 F X 6.28 FT or higher inclusive Pixel Density 160000 pixels/m2 Brightness 1000 cd/m2 IP,PP-2.5MM, Grade IP30 / IP50 Lifetime (Typical) ≥100,000 hrs Viewing AngleHorizontal160° Vertical160, Nichia/Cree/NS Dimming Capability0-255 level Contrast Ratio*5000:1 or higher Refresh Rate*1920Hz or higher Color Processing*16 Bit or higher Colors*4.4 Trillion or higher of LED control Processor Contro IRS232 Can be Cascaded for Uniform ControlInputsAUDIO IN 1 x AUDIO INPUT PORTDVI IN 1 x DVI INPUT PORTOutputs OUTPUT (1 TO 4) 4 x LAN OUTPUT PORT/ FIBER OPTICDVI OUT 1 x DVI OUTPUT PORT Resolution SupportInput Resolution Support1920 x 1200,2048 x 1152,2560 x 960, & other user define resolutions (under 2.3 million pixels)Maximum Width Output 2048 pixelsMaximum Height Output 1200 pixelsPowerInput voltage (AC) AC 100-240 V-50/60 HzRated power consumption 2.9 W Operating temperature -20°C-60°COperating humidity 10% RH-90% RHDimensions video prosesser Inputs1X DVI, 1X HDMI, 2 X VGA, 1 X Composite Video, 1 x SDI/HD-SDI Input Resolution Full HD or better Output 2xDVI,1 XVGA ControlPanel/Knob RS232 Power100~240VACOperating Temperature5~40 Deg C Switching Seamless Switching, Fade in Fade Out Switching & Blend Switch Power Distribution Unit, Structure to mount in trolley solutions LED & I&C (1 Nos.) These screens should also be calibrated after the installation to ensure brightness uniformity. Calibration should also be performed as and when it is required during the warranty period. OEM shall be ISO 9001, ISO 14001, OHSAS 45001 & ISO 27001:1 certified with MII – Certificates to be submit. | 1 Job | 2559237.29 | 2559237.29 | 3019900.00 |
| 73 | SITC of 32" Full HD FHD (1920 x 1080) Professional Display for AVSI & Digital Signage Projects - 1.7GHz CPU Quad, 5000:1 native Contrast, 8MS Response, Screen Mirroring, Support Passive Pen, Sensor based, Convenient pen holder with 8GB Internal Storage and Multi Touch, Capacitive touch technology, Temperature Sensor, Pivot Display, Clock Battery, Built in Speaker (10W x 2), Wi-Fi Module Embedded, RJ45 port, with minimum required for content play Mini PC intel i7 processor 32gb ram 1 tb SSD compatible graphics card ,windows 10 pro, HDMI Output including software and accessories. | 19 Nos. | 254388.14 | 4833374.58 | 5703382.00 |
| 74 | SITC of 32" FHD, Non-Glare display,Cortex A72 1.7GHz Quad-Core CPU, 8GB Storage, Embedded signage player to support seamless content playback, Haze Coating,HDMI,HDCP, USB, Stereo Mini Jack,RS232 (in), RJ45, Temperature Sensor, Pivot Display, Clock Battery,Built in Speaker (10W 2ch), IP5x Rating, Wi-Fi/ BT, Rigid 3-layered security system preventing any unauthorized access, Center IR and built-in Wi-Fi, Auto Source Switching & Recovery,EMC ClassB, Energy Star 8.0,Panel tech-VA, Native contrast-4000:1,IP5X ,Certification-BIS,FCC,CE,UL, | 4 Nos. | 87014.41 | 348057.63 | 410708.00 |
| 75 | SITC of 24" Full HD FHD (1920 x 1080) Professional Display for AVSI & Digital Signage Projects - 1.7GHz CPU Quad, 1000:1 native Contrast, 10MS Response, Screen Mirroring, Support Passive Pen ,Sensor based with 8GB Internal Storage and Multi Touch, Capacitive Technology, Temperature Sensor, Pivot Display, Clock Battery, Built in Speaker(5W 1ch), Wi-Fi Module Embedded, RJ-45 port, Remote Management- 802.1x(WPA2 Enterprise, File Security, with minimum required for content play Mini PC intel i7 processor 32gb ram 1 tb SSD compatible graphics card ,windows 10 pro, including software and accessories. | 5 Nos. | 182728.81 | 913644.07 | 1078100.00 |
| 76 | SITC of Media player and signage software with specification CPU :Amlogic S905X3 64-bit quad core ARM® Cortex™, GPU/ Graphics : G31™ MP2 GPU processor , OS : Android 9.0 or above, Memory : 4 GB DDR3, Storage : 32 GB, Wifi : IEEE 802.11 a/b/g/n/ac; 2.4G / 5G, Bluetooth : Bluetooth 4.1, Op ports : HDMI 2.0, Dynamic HDR, 8Kx4K@24 max resolution output, USB : 1*USB 3.0, 2*USB 2.0, SD card slot, support upto 64 Gb, Both mediaplayer and signage licenses should be of same OEM. | 14 Nos. | 33901.69 | 474623.73 | 560056.00 |
| 77 | SITC of 1-chip DLP LASER Phosphor Multimedia Projection system having, 9500 Lumens 20000 hours lamp life, 1920 x 1200 WUXGA Native Resolution, Inbuilt blending and warping with automatic calibration software, 3D ready, 1200000:1 Contrast Ratio, inputs: HDBaseT,HDMI2.0, DVI-D, Active 3D, Motorised zoom and focus, alongwith 0.65-0.75 lens & projector mountin bracket etc. complete with installation as per the site requirement. including software and accessories | 5 Nos. | 1375845.76 | 6879228.81 | 8117490.00 |

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| 78 | SITC of 1-chip DLP LASER Phosphor Multimedia Projection system having, 6500-7000 Lumens 20000 hours lamp life, 1920 x 1200 WUXGA Native Resolution, Inbuilt blending and warping with automatic calibration software, 3D ready, 300000:1 Contrast Ratio, inputs: HDBaseT,HDMI2.0, DVI-D, Active 3D, Motorised zoom and focus, alongwith 0.75-0.95 lens & projector mounin bracket etc. complete with installation as per the site requirement with Mini PC with minimum intel i7 processor 32gb ram 1 tb SSD compatible graphics card windows 10/11 pro including software with mounting and accessories. | 2 | Nos. | 974045.76 | 1948091.53 | 2298748.00 |
| 79 | SITC of 1-chip DLP LASER Phosphor Multimedia Projection system having, 6500-7000 Lumens 20000 hours lamp life, 1920 x 1200 WUXGA Native Resolution, Inbuilt blending and warping with automatic calibration software, 3D ready, 300000:1 Contrast Ratio, inputs: HDBaseT,HDMI2.0, DVI-D, Active 3D, Motorised zoom and focus, alongwith 0.65-0.75 lens & projector mounin bracket etc. complete with installation as per the site requirement. including software and accessories | 4 | Nos. | 1015505.08 | 4062020.34 | 4793184.00 |
| 80 | SITC rear projection of 1-chip DLP LASER Phosphor Multimedia Projection system having, 6500-7000 Lumens 20000 hours lamp life, 1920 x 1200 WUXGA Native Resolution, Inbuilt blending and warping with automatic calibration software, 3D ready, 300000:1 Contrast Ratio, inputs: HDBaseT,HDMI2.0, DVI-D, Active 3D, Motorised zoom and focus, alongwith 0.65-0.75 lens & projector mounin bracket, rear projection screen with frame etc. complete with installation as per the site requirement. including software and accessories | 3 | Nos. | 1078318.64 | 3234955.93 | 3817248.00 |
| 81 | SITC of 1-chip DLP LASER Phosphor Multimedia Projection system having, 9500 Lumens 20000 hours lamp life, 1920 x 1200 WUXGA Native Resolution, Inbuilt blending and warping with automatic calibration software, 3D ready, 1200000:1 Contrast Ratio, inputs: HDBaseT,HDMI2.0, DVI-D, Active 3D, Motorised zoom and focus, alongwith 0.65-0.75 lens & projector mounin bracket etc. complete with installation as per the site requirement. with minimum required for content play Mini PC intel i7 processor 32gb ram 1 tb SSD compatible graphics card ,windows 10 pro, including software and accessories | 5 | Nos. | 1478522.03 | 7392610.17 | 8723280.00 |
| 82 | SITC of 1-chip DLP LASER Phosphor Multimedia Projection system having, 13500 Lumens 20000 hours lamp life, 1920 x 1200 WUXGA Native Resolution, Inbuilt blending and warping with automatic calibration software, 3D ready, 300000:1 Contrast Ratio, inputs: HDBaseT,HDMI2.0, DVI-D, Active 3D, Motorised zoom and focus, alongwith 0.65-0.75 lens & projector mounin bracket etc. complete with installation as per the site requirement. | 2 | Nos. | 2424109.32 | 4848218.64 | 5720898.00 |
| 83 | SITC of 1-chip DLP LASER Phosphor Multimedia Projection system having, 9500 Lumens 20000 hours lamp life, 1920 x 1200 WUXGA Native Resolution, Inbuilt blending and warping with automatic calibration software, 3D ready, 1200000:1 Contrast Ratio, inputs: HDBaseT,HDMI2.0, DVI-D, Active 3D, Motorised zoom and focus, alongwith 0.65-0.75 lens & projector mounin bracket etc. installation as per the site requirement, with Mini PC with minimum intel i7 processor 32gb ram 1 tb SSD compatible graphics card windows 10/11 pro including software with mounting and accessories., also include 32" touch screen panel for content trigger with software and accessories. | 1 | Nos. | 1642313.56 | 1642313.56 | 1937930.00 |
| 84 | SITC of 4 sides 3D Hologram with custom made cabinet size minimum1300x800x800mm , display equipment size 55inch LED display 4K, brightness :300 nits, minimum imaging size(mm):476*267, input voltage :AC110-220V, power sleeve 1 13750 rate :180W, appearance structure: sheet metal, built-in loudspeaker 10W*2, 6mm thick ultra-white coated glass, transmittance: 70%, reflectivity 30%, input interface :HDMI/USB, minimum Base size :1300x800x1200mm complete with installation as per the site requirement. | 1 | Nos. | 1590508.47 | 1590508.47 | 1876800.00 |
| 85 | SITC of Display media server with minimum 4 HD outputs as required , synced together. Original windows 10/11 Professional with i7 six core CPU with Rugged cooling system. with 32GB RAM, 2 nos 512 NVME drives raid 0 drives for media playback , 1 nos. 256 GB NVME for operating. It should also have genlock and framelock capability. Should also have Art-net Ethernet in/out. to complete the job with all respects with compatible graphics card with minimum 4 output. | 7 | Nos. | 628138.98 | 4396972.88 | 5188428.00 |
| 86 | SITC of 3D Projection mapping software, Playback control System to manage, schedule and all projector /Screen control the media servers. It should have direct control on inputs and media playback. It should have an option of being controlled by an external unit integrated with the software. to complete the job with all respects. | 1 | Job | 3720516.95 | 3720516.95 | 4390210.00 |
| 87 | Supplying & Fixing of Floor Standing Rack network Rack - 22U / 600w / 800d, with Heavy Duty Extruded Aluminium Frame for rigidity. Top cover with FHU provision. Top & Bottom cover with cable entry gland plates. Two pairs of 19" mounting angles with 'U' marking. Depth support channels - 3 pairs. With a Overall Weight Carrying Capicity of 500Kgs. Side Panels - 22U/800d Front MS Door perforated honeycomb 22U/600w Rear MS Door (Fully Perforated - Mesh) 22U/600w Fan 90CFM 230V AC, 4" dia Castors with Brake (set of 4) Cable manager 1U MS with Loops Shelf, Stationery 475mm N/W PDU 7Sockets 5Amps with MCB Mounting Hardware (Pkt. Of 20) Vertical Cable Channel 50mmW 22U complete in all respect | 3 | Nos. | 55004.24 | 165012.71 | 194715.00 |
| 88 | SITC of following accessories for the above items- The equipment should be operational from central control room. All the control equipment of all the AV & Screen, cables, ethernet cables, electrical panel, media converter, video transmitter and receiver, network cable and switch, connector, console, keyboard mouse etc. Programming to be considered to run the equipment/gallery seamlessly for centralized on and off of systems and identification/status check of problems with any central location or individual location | 1 | Lot | 3728813.56 | 3728813.56 | 4400000.00 |
| 89 | SITC of HDBaseT Shielded Cat6A Cable with 4 shielded twisted pairs (U/FTP) of 23AWG solid Annealed copper conductors Outer jacket with Material: LSHF, Thickness: ≥0.5mm, Diameter: 7.2mm ±0.2mm; Drain wire with material: Tinned copper, Diameter: 0.4mm ±0.01mm ; Delay Skew: <45ns, Propagation Velocity (NVP): 76% ; Electrical Impedance: 1-100MHz: 100Ω ±15Ω, 100-250MHz: 100Ω ±20Ω, 250-500MHz: 100Ω ±25Ω Operation Temperature: -20°C to +60°C COMPLIANCE - Electrical: EIA/TIA 568A, ISO/IEC 11801, Fire Performance: IEC 60332-1, Smoke Density: IEC 61034, Halogen Free: IEC 60754, RoHS: 2011/65/EU, Reaction to Fire Classification: Dca-s2,d1,a1 (optional: B2ca-s1,d1,a1) Should have been recommended by HDBaseT | 1 | Lot | 466101.69 | 466101.69 | 550000.00 |
| 90 | SITC of Enterprise Network Management Platform for upto 100 devices. Required for deployment, configuration and managment of complete Pro AV network. It should have LDAP user authentication for enhanced security. Should also have live alert and response feature. Integrated room schduling and management | 1 | Nos. | 390001.69 | 390001.69 | 460202.00 |

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| 91 | Supply, Installation, testing and commissioning of QR code Streaming Server (hardware with minimum Xeon Processor, 32GB RAM, 2TB HDD along with required server and application software with CMS Capabilities and Admin Module), system should support minimum 3 languages, should support minimum 50 QR codes points, system should be compatible with all types of communication protocols to communicate with the network architecture as per consultant/in-charge. | | | 2966101.69 | 5932203.39 | 7000000.00 |
| | | 2 | Nos. | | | |
| 92 | Supply, Installation, testing and commissioning of Wi-Fi networking system which should consist of communication channels with Local Data Servers access points, switches, cables etc. And other required accessories with specifications to run the complete QR code system locally with streaming capabilities. This should create a secured network with firewall and user authentication module in a captive environment. The network should be capable of catering to all type of client OS (Android, iOS, Windows and others). Signal Strength to be 65dBm or better. For Entire Ground Floor Area of Museum: 1. UL certified Cat-6 -UTP cable suitable for local area networking for approximately 60 Nodes shall be of Giga Speed. The cable shall be laid through 20 / 25 mm thick UPVC pipe. 2. UL certified 24 Ports patch panel (Cat-6 standard, Intelligent ready -STRAIGHT 24 Port patch Panel (Loaded) suitable for Cat. 6 cables for LAN. 3. UL certified Category 6UTP Modular Jacks suitable for unloaded angular patch Panel 4. UL certified FACE Plate with PVC Gang Box for Cat-6 Mud Jacks 5. UL certified 1 meter patch cord (Cat-6 standard) suitable for LAN 6. UL certified 2-meter patch cord (Cat-6 standard) suitable for LAN 7. 12U rack with Power Strip and accessories Fans. 8. Industrial switch 10/100/1000 24 port POE Switch with 2 dedicated 1G ports switch 9. Wi-Fi 6 Dual Band AX3600 (WAVE2, MU-MIMO, 802.11AX (4x4)) with 2.5 Gbps POE+ port mesh Access Point 10. License Insight Cloud License of Single AP/SWITCH for 5 Years 11. OFC 6 core Out door, SMF with 20 / 25 mm thick UPVC pipe. 12. 6 port LIU with Loaded coupler 13. LC-LC, 3mtr, SMF duplex patch cords 14. OFC MOUDLE 1000 BASE LX | | | 8474576.27 | 8474576.27 | 10000000.00 |
| | | 1 | Nos. | | | |
| 93 | Supply, Installation, testing and commissioning of wired dynamic stereo headphones, Frequency response 25 - 17000 Hz or better, Jack plug 3,5/6,3 mm stereo, Sound pressure level (SPL) 106 dB (SPL) or more. | 250 | Nos. | 1611.02 | 402754.24 | 475250.00 |
| 94 | Supply, installation, testing and commissioning of full range pendant ceiling mounted music and PA loudspeaker. The loudspeaker shall meet the following performance criteria: Usable Frequency range (-10 dB) of 83Hz to 19kHz; Power handling of 64 Watt peak; Nominal dispersion of 130° Conical; Sensitivity of 86 dB SPL and Max SPL of 104 dB SPL peak; Nominal impedance of 16 ohms and Integral multi-tap Transformer with selectable tap settings of 2/4/8/16W@70V & 100V. The loudspeaker system shall be comprised of a 2.25-inch woofer; enclosed in engineered-plastics and a powder-coated steel grille. Shall be packed in pairs | 14 | Nos. | 20027.97 | 280391.53 | 330862.00 |
| 95 | Supply, Installation, testing and commissioning of integrated high impedance Class D Dual Zone Amplifier with output power of 2 x 120 W @ 70/100 V ; Frequency Response - 55 Hz - 20 kHz (+0/-3 dB, @ 1 W reference 1 kHz) ; THD+N - ≤1 % (at full rated power); Channel Separation (Crosstalk) - ≤60 dBV (below rated power, 1 kHz); A/D and D/A Converters - 24-bit / 48 kHz; Audio Latency - 10.4 ms - (any input to speaker output or aux output); THD <0.3% at rated power. Channel Separation ≤ -60 dBV (below rated power, 1 kHz), Dynamic range > 88 dB. Maximum Input Level : +10 dBV or better. 1 balanced page/priority input, 3 unbalanced line inputs; built in loudspaker EQs. Shall include output for expansion amplifier and remote controller (Wired) for source as well as volume control. | 1 | Nos. | 95272.03 | 95272.03 | 112421.00 |
| 96 | Supply, Installation, testing and commissioning of integrated high impedance Class D, with Amplifier Power as 1 x 90 W @ 70/100 V ; Frequency Response - 60 Hz - 20 kHz (+0/-3 dB, @ 1 W reference 1 kHz) ; THD+N - ≤1 % (at full rated power); Channel Separation (Crosstalk) - ≤60 dBV (below rated power, 1 kHz); A/D and D/A Converters - 24-bit / 48 kHz; Audio Latency - 10.4 ms - (any input to speaker output or aux output) ; Maximum Input Level : +10 dBV or better. 1 balanced page input, 1 balanced mic/line input, 2 unbalanced line; built in loudspaker EQs. Shall include output for expansion amplifier and remote controller (Wired) for source as well as volume control. | 5 | Nos. | 53976.27 | 269881.36 | 318460.00 |
| 97 | Supply, installation, testing and commissioning of full range ceiling mounted music and PA loudspeaker. The loudspeaker shall meet the following performance criteria: Usable Frequency range (-10 dB) of 85Hz to 19kHz; Power handling of 64 Watt peak; Nominal dispersion of 165° Conical; Sensitivity of 84 dB SPL and Max SPL of 102 dB SPL peak; Nominal impedance of 16 ohms and Integral multi-tap Transformer with selectable tap settings of 2/4/8/16W@70V & 100V. The loudspeaker system shall be comprised of a 2.25-inch woofer; enclosed in engineered-plastics with integrated steel backcan and a powder-coated steel grille. UL-1480 rated and EN54-24 compliant for Life safety/VA applicatons. Shall be packed in pairs | 8 | Nos. | 11644.92 | 93159.32 | 109928.00 |

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| 98 | SITC of following "Capacity (in kVA / KW) " 40 kVA 3-Phase Input / 3-Phase Output 40 KW 3-Phase Input / 3-Phase Output, Input Voltage Range "220/380V, 230/400V, 240/415V (3Φ4W) Range (Full Load) 173~276 / 300~477VAC Range (Derating to 70% Load) 132~173 / 228~300VAC",Input Frequency Range 45 to 65 Hz, Input Power Factor > 0.99 (Full Load), Transient Voltage Surge Suppressor External at Input Side, Current Harmonic Distortion(ITHD) <3%,Nominal Output voltage 220/380V,230/400V,240/415V (3Φ4W),Nominal Output Frequency 50/60 Hz Output Voltage Distortion (THDu) < 1.5 % (linear load),Transient Voltage Surge Suppressor External at Output Side ,Crest Factor 3:1,Isolation Transformer Inbuilt on UPS at Output Side ,Isolation Transformer Inbuilt on UPS at Output Side ,Transfer Time (Inverter to Bypass / Bypass to Inverter)-<1ms (Synchronized Mode),Overall Efficiency On Line Mode = Upto 96% , Eco Mode = Upto 99% ,Inverter Overload capacity ≤105 %: continuous,106% ~ ≤125%: 10 minutes; 126% ~ ≤150%: 1 minute; >150%: 1 second,Backup Required Battery 30 minutes on Full Load ,Battery Bank Voltage 384 or higher (Selectable - 384 to 600 V), Battery Bank VAh Minimum 38000VAH, Battery Type 408 V DC or higher Sealed Maintenance Free (SMF) - 12V Cells ,Noise Level < 55dBA at 1 Meter,Storage Temperature-- 20°C ~ 40, Operating Humidity-< 95%,Remote Alarm Panel External for UPS Monitoring Purpose ,Manufacturer "QMS: ISO 9001: 2008,EMS:ISO 14001: 2004,OSHAS: ISO 18001: 2007 , NABL Accredited lab in India" Product Safety Certifications (Mandatory) "ESD:IEC61000-4-2: level ,RS : IEC61000-4-3: level3,EFT: IEC61000-4-4:level4 SURGE: IEC61000-4-5:level4,CS: IEC61000-4-6: level3,IEC 61000-2-2,EN 62040-2 EN 61000-3-2"ROHS compliance UPS with 5 year warranty | 1 | Lot | 1249996.61 | 1249996.61 | 1474996.00 |
| 99 | SITC of following "Capacity (in kVA / KW) " 20 kVA 3-Phase Input / 3-Phase Output 20 KW 3-Phase Input / 3-Phase Output, Input Voltage Range "220/380V, 230/400V, 240/415V (3Φ4W) Range (Full Load) 173~276 / 300~477VAC Range (Derating to 70% Load) 132~173 / 228~300VAC",Input Frequency Range 45 to 65 Hz, Input Power Factor > 0.99 (Full Load), Transient Voltage Surge Suppressor External at Input Side, Current Harmonic Distortion(ITHD) <3%,Nominal Output voltage 220/380V,230/400V,240/415V (3Φ4W),Nominal Output Frequency 50/60 Hz Output Voltage Distortion (THDu) < 1.5 % (linear load),Transient Voltage Surge Suppressor External at Output Side ,Crest Factor 3:1,Isolation Transformer Inbuilt on UPS at Output Side ,Isolation Transformer Inbuilt on UPS at Output Side ,Transfer Time (Inverter to Bypass / Bypass to Inverter)-<1ms (Synchronized Mode),Overall Efficiency On Line Mode = Upto 96% , Eco Mode = Upto 99% ,Inverter Overload capacity ≤105 %: continuous,106% ~ ≤125%: 10 minutes; 126% ~ ≤150%: 1 minute; >150%: 1 second,Backup Required Battery 30 minutes on Full Load ,Battery Bank Voltage 384 or higher (Selectable - 384 to 600 V), Battery Bank VAh Minimum 24000VAH, Battery Type 408 V DC or higher Sealed Maintenance Free (SMF) - 12V Cells ,Noise Level < 55dBA at 1 Meter,Storage Temperature-- 20°C ~ 40, Operating Humidity-< 95%,Remote Alarm Panel External for UPS Monitoring Purpose ,Manufacturer "QMS: ISO 9001: 2008,EMS:ISO 14001: 2004,OSHAS: ISO 18001: 2007 , NABL Accredited lab in India" Product Safety Certifications (Mandatory) "ESD:IEC61000-4-2: level ,RS : IEC61000-4-3: level3,EFT: IEC61000-4-4:level4 SURGE: IEC61000-4-5:level4,CS: IEC61000-4-6: level3,IEC 61000-2-2,EN 62040-2 EN 61000-3-2"ROHS compliance UPS should be ROHS compliance | 1 | Lot | 949456.78 | 949456.78 | 1120359.00 |
| 100 | Supply, installation, testing and commissioning of full range ceiling mounted music and PA loudspeaker. The loudspeaker shall meet the following performance criteria: Usable Frequency range (-10 dB) of 85Hz to 19kHz; Power handling of 64 Watt peak; Nominal dispersion of 165° Conical; Sensitivity of 84 dB SPL and Max SPL of 102 dB SPL peak; Nominal impedance of 16 ohms and Integral multi-tap Transformer with selectable tap settings of 2/4/8/16W@70V & 100V. The loudspeaker system shall be comprised of a 2.25-inch woofer; enclosed in engineered-plastics with integrated steel backcan and a powder-coated steel grille. UL-1480 rated and EN54-24 compliant for Life safety/VA applications. | 40 | Nos. | 5932.20 | 237288.14 | 280000.00 |
| 101 | SITC of Integrated Digital Sound Processor with following specifications; Signal Processor/CPU 32-bit fixed/floating-point DSP + ARM, 456 MHz Maximum Calculation-3.6 GIPS / 2.7 GFLOPS AUDIO Input Channels-12 analog mic/line inputs & 4 analog outputs, 8 Additional digital Outputs; 24 Bit A-D and D-A Convertors; Sampling Rate : 48 kHz; THD : < 0.01 % ; Channel Separation (Crosstalk) : < 105 dB ; Frequency Response 20 Hz - 20 kHz ; Signal-to-Noise Ratio 80 dB ;Dynamic Range : > 115 dB; 8 Control Inputs and 1 control Outputs; Ethernet Port for third party Control and Monitoring; with browser-based UI facilitates real-time display and control of levels, routing, thresholds, priorities, scheduled events, loudspeaker EQs, plus input and area EQs. Shall Support remote Zone source selection or volume controllers.The DSP shall have Balanced mic/line or 600 Ω paging input and fully-isolated output for Music On Hold for 600 Ω telephone systems .The DSP shall have ambient noise compensation algorithm . | 1 | Nos. | 194915.25 | 194915.25 | 230000.00 |
| 102 | Supply, installation, testing & Commissioning of 8 channel class D Power amplifier with a Max Output Power of 8x250W@4/8 ohms, or bridged mode output power of 4 x 500W @ 8 ohms/70/100V. 20Hz - 20 KHz, SNR of 101dB and THD + N of <0.4% with built in protection such as Limiters, Temperature, DC, Short Circuit, Peak Current Limiters, Turn on delay etc. Built in DSP for Matrix routing, Speaker equalization, Delays, Array EQs etc with Ethernet Port for Network Control, programming and monitoring.Analog input sensitivity for rated output: 0, +4, +12 and +24dBu, user selectable; The amplifier front panel shall contain a user interface with a 240x 64 LCD primary display, with LED indicators for signal present,input clipping, output limiting and fault. Functions accessible from the front-panel interface shall include output configuration, fault logging, mute, input sensitivity selection, output attenuation, EQ on/off per channel and loudspeaker processing preset recall The Damping factor shall be >1000. The amplifier shall implement Dual Voltage and Current feedback technology to provide power as per the load demand. Shall offer optional Network audio connectivity (Dante) through expansion slot. Warranted for at least 5 years. | 1 | Nos. | 455932.20 | 455932.20 | 538000.00 |
| 103 | "Audio Player Versatile DAB+ and FM RDS / CD / USB / SD-card /Bluetooth music source, RS232 control, IR remote included, 1U, 19"" Supply of professional multisource CD/USB/SD-card music player with unbalanced outputs 2 x RCA + COMBI RCA, integrated FM RDS and tuner with RS232 control, IR remote included, rack mountable.Approved Makes: Biamp /Symetrix /Ashly Audio | 1 | Nos. | 40677.97 | 40677.97 | 48000.00 |

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| 104 | SITC Type Moving coil microphone,Polar Pattern Unidirectional,Rated Impedance 600 Ω, Balanced,Rated Sensitivity -58 dB (1 kHz, 0 dB=1 V/Pa),Frequency Response 100 Hz - 10 kHz,Output 4-conductor (2-shielded) cable (2.5 m (8.2 ft)) without plug,Talk Switch 1-push-to-talk switch, 1-locking lever, Short-off type,Remote Control 500 mA or less at 30 V DC,Operating Temperature -10 °C to +50 °C (14 ° F to 122 ° F),Operating Humidity 95 %RH or less (no condensation) Finish Microphone head: Zinc plated steel wire, gray baked paint Main unit: ABS resin, gray,Dimensions 100 (W) × 212 (H) × 150 (D) mm (3.94" × 8.35" × 5.91"),Weight 400 g (0.88 lb) (cord excluded) | 1 | Nos. | 13559.32 | 13559.32 | 16000.00 |
| 105 | Supply and laying speaker cable of IS/ISO 9001 CERTIFIED COMPANY made following size 2 core 1.5 Sq.mm twin twisted multi stranded electrolytic grade copper conductor, overall PVC insulated and armoured cable (Blue colour) on surface/ above false ceiling including cost of GI spacers, saddles etc. as required. | 2000 | mtr | 102.54 | 205084.75 | 242000.00 |
| 106 | Supply & Installation of IP-20 & IK-08 , UL Listed Communication enclosure (Rack) made from powder coated (60 to 80 Micron) CRCA sheet,Vertical Mounting Rail 1.6 MM with 'U'Marking, front sturdy sheet steel frame folded from one piece and welded with 5mm toughened glass door, with All round protective channel on the door aperture, lock integrated on front door, top and bottom cover with cable entry provision with gland plates, integrated side walls, Set of 75 mm height 4 castors, 2 of which have brakes, Accessories like: 5 Nos of 19" 1U Horizontal Cable manager, 2 Nos of vertical cable managers, 1 no. Keyboard Tray, 4 Nos of 90 cfm 230V AC Fan with 1 mts long cable, mounting hardware , 2 No of 19" 1U, mountable socket strips with 6 nos of 5A universal sockets with 2 mts long power chord for supplying power to switches, fans etc along with earth continuity kit, indicator, moulded power supply cable complete in all respect. All as per pre approved by Engineer in charge - Size27 U Rack with Width 600 mm & Depth 800 mm | 1 | Nos. | 35634.75 | 35634.75 | 42049.00 |
| 107 | Film of duration 3-5 minutes introducing the museum theme and galleries that provides an overview of the history, process of development and realisation of the narrative and the overall intent of the museum. The film will have mixed media content including information graphics, illustrations, 2D animation/Motion Graphics/3D animation and models with live action shoot wherever required as per the theme and storyline of the film. The content should be supported in 3 languages. The rate for photoshoot and video shoot of all work under the museum interiors to be included. | 1 | Job | 450000.00 | 450000.00 | 531000.00 |
| 108 | GUI, coding and required programming for interactive content developed for 55" screen. Interactive Game Content development in 3 Language (Hindi, English, Bangla). 1. Activity: Create a Scene Template: a. Choose a setting: Option to choose from different settings, Brief explanation of each scene, Location in the Gallery, Brief about the whole motif the extraction is made from b. Choose characters: Option to place different animals and figures; Brief explanation of each character, Location in the Gallery, Brief about the whole motif the extraction is made from c. Add a border: Look at the series of motifs from the Coping pieces from Bodhgaya or sections from Architraves; Brief explanation of each scene, Location in the Gallery, and Brief about the whole motif the extraction is made from d. Add an inscription: Choice of Kharosthi mason marks and Votive Inscriptions, Brief explanation of inscription, Location in the Gallery, translation and significance 2. Activity: Decode Bramhi Template a. A basic alphabetic translation of the script b. Game to make a literal translation later explaining the meaning | 1 | Job | 690000.00 | 690000.00 | 814200.00 |
| 109 | Development of mixed media content (using 2D animation/Motion Graphics/Text) in required resolution of duration 5-6 minutes to be played in a loop. The content may be created by scanning the existing artefacts and/or procured from existing archives with appropriate copyrights. The content will show a conjectured background of the Bharhut Stupa landscape superimposed with magnified images of the selected portions of the artefacts with appropriate editing, layouts & rendering. The content should be supported in 3 languages. | 1 | Job | 520000.00 | 520000.00 | 613600.00 |
| 110 | CONTENT 3D: Creation of Audio Visual Content in 3D, 2D and Motion Graphics in required resolution including all storyboard, Assets, backgrounds, Fx, Environments, Layouts & Rendering, sound effects with voice of male/female artists. The story on the projection will look at the narrative of Buddha's life and journey using the images from the artefacts/reliefs present in the Museum as a mode of conveying his story. The projection will be around 180-240 seconds . Complete as per satisfaction of Engineer in Charge | 1 | Job | 410000.00 | 410000.00 | 483800.00 |
| 111 | Multitouch Interactive Table with 3 Screens - GUI, coding and required programming for interactive content developed for 32" screens. Content development in 3 languages - 1. The timeline on the interactive map Template for the timeline: a. Coin Type b. Issuing Ruler/Authority c. Time Period d. Brief Description of the coin e. Information on the circulation network and trade routes from the empire, if available 2. Activity: Design a coin! Template for the game: a. Choose a symbol: Type of Symbol, Coin it is found in, Issuing Ruler, Period, Significance of the Symbol b. Choose a Bust Type: Type of Bust or portraiture, Coin it is found in, Issuing Ruler, Period, Significance of the Symbol c. Choose a Title: Selection from a translation of the titles, Original Inscription, Language, Coin it is found in, Issuing Ruler, Period 3. Production Process (AV) | 1 | Job | 750000.00 | 750000.00 | 885000.00 |
| 112 | CONTENT 2D: Projection of Content in 2D and 3D and Graphics in required high resolutions including all backgrounds, Environments, Layouts & Rendering, photographs, images procured from existing archives with appropriate copyrights. Complete as per satisfaction of Engineer in Charge | 4 | Job | 211864.41 | 847457.63 | 1000000.00 |

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| 113 | AV library on the production process looking at traditions of sculpting that still continue in the country looking at the associated living heritage. Creation of Video Content through mix media content including 2D/3D animation, text, green screen shoot, motion graphics in required resolution including all storyboard, assets, backgrounds, FX, Environments, Layouts & Rendering procured from existing archives with appropriate copyrights or recording, editing and post production video of duration 120-150 seconds. The content should be supported in 3 languages. Complete as per satisfaction of Engineer in Charge. | | 7 Job | 309322.03 | 2165254.24 | 2555000.00 |
| 114 | The content for the projection will include motion graphics, illustrations and images along with text in 3 languages. The rate to include layout and design of the user interface along with wireframing, interface development and required coding. Creation of Content by 3D reconstruction of 10-15 sculptures in the Museum including required photography, videography, rendering, etc in required resolution. Content - 1. Strike A Pose (Look at the many figures and see the pose they have created while bringing focus to; the level of ornamentation and clothing, the original context of the scene and the location of the motif in the gallery) 2. Create a figure (1. Choice of pose 2. Choice of ornamentation 3. Choice of facial features) 3. Quiz (The screen will host a game of trivia questions based on the information retained through the gallery. This can be gamified where with each wrong answer the visitor can be given the location of the exhibit the question was about re-generating interest on their way around the gallery.) | 1 | Job | 1177966.10 | 1177966.10 | 1390000.00 |
| 115 | Creation of Video Content through mix media content including 2D/3D animation, green screen shoot, motion graphics in required resolution including all storyboard, assets, backgrounds, FX, Environments, Layouts & Rendering procured from existing archives with appropriate copyrights or recording, editing and post production video of duration 120-150 seconds. Complete as per satisfaction of Engineer in Charge | 4 | Job | 296610.17 | 1186440.68 | 1400000.00 |
| 116 | Content development for Hologram including 2D/3D animation, Text, Audio files and voiceover in the in 3 Language (Hindi, English, Bangla) with required sound design converted to suit the speaker hardware of duration 2-3 minutes which will be played on loop. The content to be developed are Key artefacts for each region; Nataraja, Nairatam, Kalyan sundarai and Jina. Template of Information - Basic Information about the artefact, Period and Provenance, The artistic style and legacy, Other key artefacts to make note of in the gallery | | 1 Job | 584745.76 | 584745.76 | 690000.00 |
| 117 | Content development in 2D/3D Graphics in required resolution including all backgrounds, Environments, Layouts & Rendering, images. Interactive Map with information on each site Template: Site Period Area Brief about the site Tools Found Pottery and Art found | 11 | Job | 406779.66 | 4474576.27 | 5280000.00 |
| 118 | Content development in 2D/3D Graphics in required resolution including all backgrounds, Environments, Layouts & Rendering, images. Content to be connected with lighting in the physical models. Interactive table with Mock Excavation Pit -How do archaeologists dig? -What does this artefact tell me about the people in this culture? -What is stratigraphy? Interactive table with Model of Mohenjo Daro and kalibangan -AV on City Planning -Make your own city Interactive table with Burial of Cemetery H -Quiz -Trivia | 4 | Job | 440677.97 | 1762711.86 | 2080000.00 |
| 119 | Creation of Audio Visual Content in 3D, 2D and Motion Graphics in required resolution including all storyboard, Assets, backgrounds, Fx, Environments, Layouts & Rendering, sound effects with voice of male/female artists. The story on the projection will look at tributes to the life and contribution of Robert Foot, RD Banerjee and NG Mazumdar. The projection will be around 90-120 seconds. The content may be procured from existing archives with appropriate copyrights. Complete as per satisfaction of Engineer in Charge | 3 | Job | 309322.03 | 927966.10 | 1095000.00 |
| 120 | Creation of Audio Visual Content in 3D, 2D and Motion Graphics in required resolution including all storyboard, Assets, backgrounds, Fx, Environments, Layouts & Rendering. The story on the projection will look at Shifting Landmasses. The projection will be around 60-90 seconds. The content may be procured from existing archives with appropriate copyrights. Complete as per satisfaction of Engineer in Charge | 1 | Job | 491525.42 | 491525.42 | 580000.00 |
| 121 | Projection of Content in 3D, 2D and Graphics in required resolution including all backgrounds, Environments, Layouts & Rendering, images, sound effects with voice of male/female artists in 3 Language (Hindi, English, Bangla). The story of humanity begins deep in geologic time, during the latter part of the Cenozoic era—the Age of Mammals. The major climate and environmental changes that took place during the Pleistocene were the backdrops for some of the most important stages in human evolution. The projection will be around 120-150 seconds. Complete as per satisfaction of Engineer in Charge | | 1 Job | 440677.97 | 440677.97 | 520000.00 |
| 122 | This exhibit will include 2 types of contents 1. Creation of Content in 3D, 2D and Motion Graphics in required resolution including all storyboard, Assets, backgrounds, FX, Environments, Layouts & Rendering. The projection will show a video on the Migration of humans. The projection will be around 60-90 seconds. The content may be procured from existing archives with appropriate copyrights. 2. Interactive touch screen to trigger the above mentioned content in 3 languages. The story will look at the migration of different communities across the globe facilitated through a map. | | 1 Job | 474576.27 | 474576.27 | 560000.00 |

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| 123 | Content development - Content development in 2D/3D Graphics in required resolution including all backgrounds, Environments, Layouts & Rendering, images. The interactive will look at the major factors that affect evolution and how skewing one feature will lead to a change in evolutionary patterns. Example; Change in food availability: 2 mya the Congo river deepened splitting the environment into two different habitats with the southern habitat marked by greater availability of food. The ape population that were the same in the two regions, therefore, diverged into two different species of chimpanzees and bonobos. Complete as per satisfaction of Engineer in Charge | | | 737288.14 | 737288.14 | 870000.00 |
| | | 1 | Job | | | |
| 124 | Creation of Content in 2D/Graphics in required resolution including all storyboard, Assets, backgrounds, FX, Environments, Layouts & Rendering in 3 languages. Content to be connected with lighting in the physical models. Multitouch Interactive Table Content development -The history of our planet Template: 1. The Reason for Evolution/Extinction 2. Distantly related to 3. What is the timeline of Evolution | 1 | Job | 440677.97 | 440677.97 | 520000.00 |
| 125 | Creation of Content in 2D/Motion Graphics in required resolution including all storyboard, Assets, backgrounds, FX, Environments, Layouts & Rendering, photoshoots, video recording, editing and post production (2-4 videos of duration 45-60 seconds). Content to be in three languages. Multitouch Interactive Table Content development -The history of our planet Template Region Geography of Each Region Community Population Demography and Diaspora Brief of Festivals, Foods and Customs | 5 | Job | 355932.20 | 1779661.02 | 2100000.00 |
| 126 | Creation of Content in 2D/Motion Graphics in required resolution including all storyboard, Assets, backgrounds, FX, Environments, Layouts & Rendering, photoshoots, video recording, editing and post production (2-4 videos of duration 45-60 seconds). Content to be in three languages. Multitouch Interactive Table Content development -An AV Library that looks at the intangible practices in each region through the following templates • Region • Communities • Languages • Major Oral Traditions • Indigenous Knowledge Systems • Major Folk Arts and Practices • Musical Traditions | 1 | Job | 406779.66 | 406779.66 | 480000.00 |
| 127 | Projection of Video Content in required high resolutions including all backgrounds, Environments, Layouts & Rendering, images procured from existing archives with appropriate copyrights and/or video recording, editing and post production (Videos of duration 180-240 seconds to be played on loop). Projection on different regions of Central India and East India and their people and culture- Geography of Each Region Community Demography Diaspora Brief of Festivals, Foods and Customs Complete as per satisfaction of Engineer in Charge | 2 | Job | 300000.00 | 600000.00 | 708000.00 |
| 128 | Creation of Audio Visual Content in 2D and Motion Graphics in required resolution including all storyboard, Assets, backgrounds, Fx, Environments, Layouts & Rendering, water sound effects. The projection on the floor showcases the coast of peninsular India. The projection will be around 60-90 seconds to be played in loop. Complete as per satisfaction of Engineer in Charge | 1 | Job | 211864.41 | 211864.41 | 250000.00 |
| 129 | Providing & making FRP high relief mural of Stupa as recreated by Alexander Cunningham. Fiber-glass FRP casting with M.S frame work (square pipe) on wall with proper welding jointing support for FRP layers. M.S. frame to be coated with zinc oxide and painted black with epoxy paint. The FRP work shall maintain 8 to 10mm thickness FRP finish with painted as per provided reference images and directions of the consultants. | 153.42 | Sqm. | 37516.95 | 5755850.34 | 6791903.40 |
| 130 | Providing & laying of Hyper realistic artistic handmade Painting on synthetic canvas (made of high-density polyethylene (HDPE), with spec. breathable, water resistant, tear resistant, recyclable) with branded acrylic paint and mix media as per reference images & works symbolizing local cultural heritage & history of the place | 122.57 | Sqm. | 18237.29 | 2235344.41 | 2637706.40 |
| 131 | Making model/objects of clay pots filling with coin made of FRP (Fiber-glass) with appropriate surface & colour finish as per reference images. The model pedestal made of 32 mm ply on top & 18/19mm thick low VOC fully fire retardant BWP Ply in all side & inside support finish with 6 mm Acrylic solid surface pedestal size 1x1x0.75M as per design & drawings provided reference images and directions of the consultants. (Base pedestal Size 1.0m(L)x1.0m(W)x0.75m (H), (Pot size approx. 0.4 dia.x 0.5 Height) | 1 | Job | 262711.86 | 262711.86 | 310000.00 |
| 132 | Providing & making of metal casting diorama. The Hyper Realistic Life Size Mannequins of artisans sitting on the diorama platform in his workshop (with all original tool). Diorama back drop with High resolution 3m vinyl print. The workshop over all diorama should look other activity as per provided reference images and directions of the consultants. Diorama Size (0.9 (L)x1.6 (H) M) | 4 | Each | 805084.75 | 3220338.98 | 3800000.00 |
| 133 | Providing & fixing Tactile model of Mohenjo-Daro city model size of 3430 (L)x2870mm(W) model height with base one side 950 mm height & other side 625mm height scale as per City. model base of m.s section frame finish with paint. Model make of hyper realistic FRP work with terrain monochromatic colour effect. model civilization/structures made in plastic / wood & appropriate material with polish, including of model lighting system for illuminating the block through openings for special effects, terrain development, 24" touch screen Control for model lighting & content complete as per drawing & design and direction of Engineer- in - charge. (24" touch screen amount to be paid separately) | 1 | Each | 1355932.20 | 1355932.20 | 1600000.00 |
| 134 | Providing and fixing Tactile model of kalibanga model size of 3350x2350mm model height with base one side 770 mm & other side 600mm. Model base made of m.s section frame to be coated with zinc oxide and painted black with epoxy paint. Model make of hyper realistic FRP work with terrain monochromatic colour effect. water made from epoxy, civilization/structures made in plastic / wood & appropriate material with polish, including of model lighting system for illuminating the block through openings for special effects, terrain development, 24" touch screen Control for model lighting & content complete as per drawing & design and direction of Engineer- in - charge. (24" touch screen amount to be paid separately) | 1 | Each | 1355932.20 | 1355932.20 | 1600000.00 |

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| 135 | Providing and fixing of Recreation of internal Cemetery H Burial Site with artificial human skeleton along with related small objects real look effects and 900mm high 100 mm width wall. Floor or other objects made of FRP casting with m.s section frame to be coated with zinc oxide and painted black with epoxy paint. one side openable door. top side cover with extra clear (5+5+1.5)11.5 mm thick laminated toughened glass, including of model lighting system for illuminating the block through openings for special effects, 24" touch screen Control for model lighting & content complete as per drawing & design and direction of Engineer- in - charge. complete as per design & drawing and directions of Architect Consultants model size of 3000x1900mm (24" touch screen amount to be paid separately) | 1 | Each | 720338.98 | 720338.98 | 850000.00 |
| 136 | Making of Mock Excavation Trench wall made of FRP (Fiber-glass) height 600mm. FRP casting with M.S frame work (square pipe) on wall with proper welding jointing support for FRP layers. excavation trench inside filling with local sand. excavated tools as per provided reference images and directions of the consultants. Mock Excavation Trench Size (8.1m x 2.57m) | 1 | Each | 1525423.73 | 1525423.73 | 1800000.00 |
| 137 | Providing & Making of 25-28 nos. different species like Elephants, Crocodile, Pterodactyl, Marine Inter vertebrates, Faunal Evolution (Especially with domesticated crops) etc. made of Hyper Realistic as per required Size animal sculpture as per Photos Provided by Consultant Having Exposed parts made out platinum silicone (od thickness not less than 2 mm at any point) and unexposed parts of fiber glass. The facial, nose ears e.t.c. shall be made completely of Platinum Silicone. The mannequins should be finished with hair grafting, platinum silicone paints and apparels as per design. Animal hanging with solid clear acrylic pipes with 4M dia. pedestal 450mm height made of M.S frame inside cladding 19 mm marine ply finish with 1 mm laminate. including of lighting system for illuminating of the acrylic pipe & animal sculpture, 24" touch screen Control for lighting & content complete as per drawing & design and direction of Engineer- in - charge. (24" touch screen amount to be paid separately) | 1 | Job | 4152542.37 | 4152542.37 | 4900000.00 |
| 138 | Providing & Making Realistic habitat Diorama on lithic cultures and artefacts of Narmada man- 3D life size fiber glass model of forest animals, birds etc finish realistic colour painting on 3D model with natural habitat platform . Cut section showing burrows and animals. High resolution back drop vinyl print & painting. Artificial fiber glass tree, leaves, grass, flower with habitat. Diorama. Diorama showing in cabinet. Diorama size with cabinet (10.80 (L) x 1.2 (W) x 6.00 (H) M as per provided reference images and directions of the consultants. | 1 | Job | 1610169.49 | 1610169.49 | 1900000.00 |
| 139 | Northern India - A life size traditional Punjab village courtyard House diorama high resolution back drop vinyl print & 3d wall painting , clay pots(daily used pots), clay stove, Bedstead (Charpai) two male figure sitting on bedstead (Charpai). female figure sitting on the floor cooking food. front in low height mud enclosure wall & traditional Well made of FRP finish realistic colour painting as per provided reference images and directions of the consultants. (Human figure amount to be paid separately) Diorama size (5.4 (L) x 4.7 (W) x 4.50 (H) M | 1 | Job | 1016949.15 | 1016949.15 | 1200000.00 |
| 140 | North India - Diorama of Ladakhi stupa / chorten & random rubble stone masonry wall made of FRP (Fiber-glass) casting with M.S frame work finish to be coated with zinc oxide and painted black with epoxy paint. High resolution back drop vinyl print on M.S frame with 6mm WPC wall paneling . The FRP stupa finish with painted . stupa size (2.0 (L) x 2.0 (B) x 3.5 (H) M) , Diorama size (5.4 (L) x 3.0 (W) x 4.50 (H) M | 1 | Job | 805084.75 | 805084.75 | 950000.00 |
| 141 | North Eastern India - Diorama of Tradition A life size thatch house made from two side sloping thatch roof with bamboo or wooden structure .roof support decorative timber post finish with painted to look & feel like a traditional house. as per provided reference images and directions of the consultants. (Human figure amount to be paid separately) Diorama size (5.4 (L) x 4.1 (W) x 6.0 (H) M | 2 | Job | 381355.93 | 762711.86 | 900000.00 |
| 142 | Providing & Making North Eastern India Diorama showing Hornbill Festival- North India - High resolution back drop vinyl print on M.S frame with 19mm thick low VOC fully fire retardant BWP Ply wall paneling M.S frame work finish to be coated with zinc oxide and painted black with epoxy paint. | 65.73 | Sqm. | 8898.31 | 584885.59 | 690165.00 |
| 143 | Western India - Diorama of a A life size traditional circular Bhungha type Hut in Gujarat made from thatch roof with bamboo or wooden structure . Conventional wall made from mud ,stone, mud brick etc. Mud floor finish with interior finished in Lippan artlook & feel like a traditional hut. as per provided reference images and directions of the consultants. Diorama size (5.4 (L) x 5.1 (W) x 5.0 (H) M | 1 | Job | 1101694.92 | 1101694.92 | 1300000.00 |
| 144 | Western India - Providing & Fixing of 4 Stepped display cabinets made from 25 mm thick low VOC fully fire retardant BWP Ply back side with High resolution back drop vinyl print cladding of 25 mm ply on 50x50 M.S frame work finish to be coated with zinc oxide and painted black with epoxy paint. All side & intranal support made of 18/19 mm thick low VOC fully fire retardant BWP Ply finish with 1 mm laminate. Front glass to be extra clear mm (5+5+1.5)11.5 mm thick laminated toughened with 900mm door openable. Glass to be fixed with 50x100 First class teak wood member. including required Ghana teak wood mounding, beading including antitermite treatment as per suitable size complete item to include all necessary grooves, tools, hardware necessary fixing details and provision for fixing lighting etc. complete as per design and drawing as directed by incharge. Diorama size (5.4 (L) x 3.0 (W) x 4.5 (H) M | 1 | Job | 635593.22 | 635593.22 | 750000.00 |
| 145 | Eastern India - Diorama of a A life size traditional Orissa structure roof made from thatch roof with bamboo rafters structure. Pillar cover 18/19 mm thick low VOC fully fire retardant BWP Ply finish painting painted by the artist with acrylic paints with look & feel like a traditional roof. as per provided reference images and directions of the consultants. Diorama size (5.4 (L) x 3.0 (W) x 5.0 (H) M | 2 | Job | 550847.46 | 1101694.92 | 1300000.00 |
| 146 | Painting of mural on finished cabinet, wall & paneling with acrylic/PU paint. The finished artwork to have a complete protective (epoxy) clear coat as per design & drawing and directions of Architect Consultants | 48.15 | Sqm. | 8050.85 | 387648.31 | 457425.00 |

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| 147 | South India - Diorama of the tribal culture of Andaman and Nicobar two life size measurement mannequins Sitting & standing Posture on 3 step paltform made of18/19 mm thick low VOC fully fire retardant BWP Ply with laminate finish. 25 mm thick low VOC fully fire retardant BWP Plyback side with High resolutaion back drop vinyl print clading of 25 mm ply on 50x50 M.S frame work finish to be coated with zinc oxide and painted black with epoxy paint. The foreground to have some 3D objects like fish hunting with bow and arrows, traditional boat etc to be casted in fiber-glass or similar material and then painted as per provided reference images and directions of the consultants. (mannequins amount to be paid separately) Diorama size (5.4 (L) x 3.0 (W)x 5.1 (H) M | | | 1355932.20 | 1355932.20 | 1600000.00 |
| | | 1 | Job | | | |
| 148 | Diorama of Traditional Myanmar A life size house made from two side sloping thatch roof with bamboo or wooden structure roof support wooden pillar finish with painted to look & feel like a traditional house. A life size fiber-glass female figure sitting on the floor finishing bamboo floor, dressed in traditional attire in front of the house. An actual antique doorway & window should be used. as per provided reference images and directions of the consultants. (Human figure amount to be paid separately) | | | 635593.22 | 635593.22 | 750000.00 |
| | | 1 | Job | | | |
| 149 | South Asia diorama - 3 to 4 layered cut out multi layered painting with concealed lighting between each layer. The cut-out layers to be made out of 19mm MDF board & appropriate material with matt finish digital UV printing or to be directly painted by the artist with acrylic paints. Attempt has to be made to give a 3D feel like a Pop-up work. The foreground to have some 3D musical instruments objects to be casted in fiber-glass or similar material and then painted as per provided reference images and directions of the consultants/Engineer-in charge . | 36.18 | Sqm. | 13135.59 | 475245.76 | 560790.00 |
| 150 | Providing & installing Hyper Realistic Life Size Mannequins as per Photos Provided by Consultant Having Exposed parts made out platinum silicone (od thickness not less then 2 mm at any point) and unexposed parts of fiber glass. The facial, nose ears e.t.c. shall be made completely of Platinum Silicone. The mannequins should be finished with hair grafting, platinum silicone paints and apparels as per design. The work includes complete installation of the mannequins as per direction of consultants./Engineer-in charge | | | | | |
| 150.1 | Man (Sitting Posture) life size human measurement | 9 | Nos. | 516949.15 | 4652542.37 | 5490000.00 |
| 150.2 | Man (Standing Posture) life size human measurement | 2 | Nos. | 542372.88 | 1084745.76 | 1280000.00 |
| 150.3 | Woman (Sitting Posture) life size human measurement | 2 | Nos. | 533898.31 | 1067796.61 | 1260000.00 |
| 150.4 | Woman (Standing Posture) life size human measurement | 4 | Nos. | 584745.76 | 2338983.05 | 2760000.00 |
| 150.5 | Children (Sitting Posture) life size human measurement | 2 | Nos. | 355932.20 | 711864.41 | 840000.00 |
| 151 | Documentation, Videography & Photography of collection, assessing condition movable objects including stone, metal, coin & other artifacts etc a) Videography & Still photographs should be shot in the Full frame DSLR Camera with requisite Hi-Speed lens. b) Format of Digital Photos: JPEG (Raw) should be more than 12MB. c) Resolution: High (minimum 600 dpi), which should be of an international standard. d)Pixel dimension: Above 5000 X 3000PX. e) Soft copies of Photographs should be deposited with the Raw files in PEN drive/Hard Drive. | 1600 | Nos. | 1550.00 | 2480000.00 | 2926400.00 |
| 152 | Documentation, Videography & Photography of collection, assessing condition immovable objects including stone and metal etc. a) Videography & Still photographs should be shot in the Full frame DSLR Camera with requisite Hi-Speed lens. b) Format of Digital Photos: JPEG (Raw) should be more than 12MB. c) Resolution: High (minimum 600 dpi), which should be of an international standard. d)Pixel dimension: Above 5000 X 3000PX. e) Soft copies of Photographs should be deposited with the Raw files in PEN drive/Hard Drive. | 200 | Nos. | 2150.00 | 430000.00 | 507400.00 |
| 153 | Cleaning and packing of the collection movable objects including stone, metal coin & other artifacts etc (Packing with Material-a. 100% high density polyethylene non-woven fabric b. High grade acid free hand-made tissue papers/ papers c. Polyester films/ Polyethylene terephthalate films d. Use of tapes of different grades i. Archival tapes ii. Polypropylene tapes iii. Cello tapes iv. Masking tapes, etc. e. Bubble wraps f. Corrugated boxes g. Powder coated iron boxes (rust resistant) h. Locking belt, etc.) | 1800 | Nos. | 2915.00 | 5247000.00 | 6191460.00 |
| 154 | Cleaning and packing of the collection. upto 200 immovable objects including stone and metal etc. (Packing with Material-a. 100% high density polyethylene non-woven fabric b. High grade acid free hand-made tissue papers/ papers c. Polyester films/ Polyethylene terephthalate films d. Use of tapes of different grades i. Archival tapes ii. Polypropylene tapes iii. Cello tapes iv. Masking tapes, etc. e. Bubble wraps f. Corrugated boxes g. Powder coated iron boxes (rust resistant) h. Locking belt, etc.) | 20 | Nos. | 3415.00 | 68300.00 | 80594.00 |
| 155 | Cleaning and packing of the collection. upto 100 immovable objects including stone and metal etc. (Packing with Second class kail wood frame of size 100x50 @750 mm c/c in both directions cladding with 8 mm thick marine plywood complete with required hardware Screw complete as per design, as directed by engineer incharge | 1 | Job | 869836.44 | 869836.44 | 1026407.00 |
| 156 | Moving and storage of the collection including organisation of collection, database of the storage collection, monitoring, security, preventive conservation, access plan, maintenance. Coin Object | 300 | Nos. | 84.75 | 25423.73 | 30000.00 |
| 157 | Moving and storage of the collection including organisation of collection, database of the storage collection, monitoring, security, preventive conservation, access plan, maintenance. Object size less than 20 CM | 800 | Nos. | 1915.00 | 1532000.00 | 1807760.00 |
| 158 | Moving and storage of the collection including organisation of collection, database of the storage collection, monitoring, security, preventive conservation, access plan, maintenance. Object size between 20 to 60 CM. | 500 | Nos. | 2415.00 | 1207500.00 | 1424850.00 |
| 159 | Moving and storage of the collection including organisation of collection, database of the storage collection, monitoring, security, preventive conservation, access plan, maintenance. Object size more than 60CM | 300 | Nos. | 2915.00 | 874500.00 | 1031910.00 |
| 160 | Moving of the collection from storage to display location (size less than 20 CM). | 1000 | Nos. | 800.00 | 800000.00 | 944000.00 |
| 161 | Moving of the collection from storage to display location (size between 20 to 60 CM). | 500 | Nos. | 1200.00 | 600000.00 | 708000.00 |
| 162 | Moving of the collection from storage to display location (size greater than 60 CM). | 300 | Nos. | 2000.00 | 600000.00 | 708000.00 |

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| 163 | All objects Preventive conservation guidelines and monitoring tools installation in the galleries. | 1 | Job | 500000.00 | 500000.00 | 590000.00 |
| 164 | SITC of Wireless Panel Power master 30 Supports 64 wireless Zones/devices/detectors, Up to 32 keypads, 32 keyfobs, 8 sirens, 4 repeaters, 1 wired zone, built in siren, battery Back-up 48 hour back-up – 9.6V, 1800mAh, NiMH, Communication PSTN, GSM, GPRS, 3G, IP, | 1 | Nos. | 26888.98 | 26888.98 | 31729.00 |
| 165 | SITC of Internal GSM Dialer for Call/SMS compatible | 1 | Nos. | 8878.81 | 8878.81 | 10477.00 |
| 166 | SITC Internal IP Module for Mobile APP and CMS compatible, End-user event reporting via email and mobile messages | 1 | Nos. | 8878.81 | 8878.81 | 10477.00 |
| 167 | SITC of wide range Wireless Indoor 110dB piezo siren and high-power strobe light Differentiated alarm sound for intrusion, fire and burglar, 3.6V non rechargeable Lithium battery with 8 year battery life. | 2 | Nos. | 12429.66 | 24859.32 | 29334.00 |
| 168 | SITC of IP 55 Wireless Outdoor Siren with high power strobe light , Operating temperature - -33°C to 70°C, Differentiated alarm sound for intrusion, fire and burglar with 8 year 3.6V non rechargeable Lithium battery life. | 1 | Nos. | 14205.93 | 14205.93 | 16763.00 |
| 169 | SITC of Wireless Vanishing/Mini Magnetic Door Contact, Frequency-868-869 MHz, Operating temperature , -10°C to 55°C (14°F to 131°F), 3V, CR2450 lithium battery with 6 year life. | 5 | Nos. | 2790.68 | 13953.39 | 16465.00 |
| 170 | SITC of Wireless Repeater Extends the communication range between the PowerMaster intruder alarm systems and other transmitters, Mains powered, with rechargeable 48-hour backup battery, Front and back tamper protected | 3 | Nos. | 9639.83 | 28919.49 | 34125.00 |
| 171 | SITC of Wall/Ceiling mount Wireless Glass Break Detector with specifications Frequency 868-869(MHz) ,Minimum detection range-7.6 m / 25 ft, Glass type- Plate, tempered, wired, laminated, covered, and sealed insulated, Operating temperature-10°C to 50°C, Storage temperature-20°C to 60°C, Humidity.5% to 95% with no condensation, 3 V Lithium CR-123 battery with 5 year battery life. | 5 | Nos. | 5580.51 | 27902.54 | 32925.00 |
| 172 | SITC of Wireless Shock/Vibration Sensor with Door Contact, Protects windows, doors, walls and roofs against forced entry, Optional auxiliary input to connect wired detectors, pushbuttons or other detection devices, Operating temperature -10°C to 55°C (14°F to 131°F) Storage temperature -20°C to 60°C (-4°F to 140°F) 3V, CR2450 lithium battery with 5 year life. | 55 | Nos. | 4819.49 | 265072.03 | 312785.00 |
| 173 | SITC of Wireless Indoor PIR with CMOS Camera for Visual Verification only. Visual alarm verification day and night, full color high resolution images transmitted from the premises via Cellular or Ethernet, Front cover and back temper, pet immune up to 85 lbs. Camera range-12m (40ft) in daytime; 10m (33ft) in complete darkness, Frame rate-2 frames per second, Camera angle-Wide angle 90°, Operating frequencies 433, 868, 915MHz, Operating temperature -10° - 50°C, Battery type- 2 x 3V lithium CR-123A or 2 x 3V CR-17450 with 5 year battery life. | 3 | Nos. | 10907.63 | 32722.88 | 38613.00 |
| 174 | Operation and Maintenance and employing of requisite staff (staff requisite list in enclosed tender document Sec 6.8.2) for all works mentioned above for the 9 Galleries at Indian Museum Kolkata for 5 years after completion of work at the Museum as per satisfaction of the Engineer-in-charge. This Team will create SOPs and operating manuals (for upkeep, troubleshooting and maintenance) for all installations in the five years. These SOPs and Operating Manual will be handed over to the Engineer in charge after completion of five years. All SOPs and operating manuals need to be updated as required periodically. | | | | | |
| 174.1 | First year - Ensure smooth Operations of 9 Galleries at Indian Museum for the the First year. | 1 | Job | 1832591.53 | 1832591.53 | 2162458.00 |
| 174.2 | Operations and Maintenance of 9 Galleries at Indian Museum for the second year. | 1 | Job | 1979199.15 | 1979199.15 | 2335455.00 |
| 174.3 | Operations and Maintenance of 9 Galleries at Indian Museum for the third year. | 1 | Job | 2137534.75 | 2137534.75 | 2522291.00 |
| 174.4 | Operations and Maintenance of 9 Galleries at Indian Museum for the fourth year. | 1 | Job | 2308538.14 | 2308538.14 | 2724075.00 |
| 174.5 | Operations and Maintenance of 9 Galleries at Indian Museum for the fifth year. | 1 | Job | 2493221.19 | 2493221.19 | 2942001.00 |
| 175 | Recovery & dismantling of existing museum Gandhara Gallery 780 mm depth display showcase made of 19/25 mm plywood finish with 6mm acrylic solid surface. 8/10mm toughened glass fixed with teak wood | 64 | Sqm | 1101.69 | -70508.47 | -83200.00 |
| 176 | Recovery & dismantling of existing museum Coin Gallery 780 mm depth display showcase made of 19/25 mm plywood finish with 6mm acrylic solid surface. 8/10mm toughened glass fixed with teak wood | 72 | Sqm | 1271.19 | -91525.42 | -108000.00 |
| 177 | Recovery & dismantling of existing museum Metal Gallery 780 mm depth display showcase made of 19/25 mm plywood finish with 6mm acrylic solid surface. 8/10mm toughened glass fixed with teak wood | 82 | Sqm | 1101.69 | -90338.98 | -106600.00 |
| 178 | Recovery & dismantling of existing museum Metal Gallery 800 mm depth display showcase made of 19/25 mm plywood finish with 6mm acrylic solid surface. 8/10mm toughened glass fixed with teak wood | 390 | Sqm | 1355.93 | -528813.56 | -624000.00 |
| | Total (Exclusive of GST) | | | | 248239647.27 | |
| | Total (Inclusive of GST) | | | | | 292922783.78 |