

Response to Pre-bid Queries

Date: 18.08.2026

NIT No. – EdCIL/DES/RC/DM/2026/001 dated 13.04.2026

Name: “Selection of Partner for Entering into Rate Contract for “Development & Deployment of Digital Museum and Experiential Lab”

S. No.	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Response
1	Chapter V (5.2)	27	Operation & Maintenance	Whether SLA parameters will be predefined or project-specific?	Please refer to the Scope of work defined in the Tender Document.
2	Chapter V (5.2)	26	Software development & handover	Kindly clarify whether source code, licenses, and reusable modules are to be transferred or only project-specific deliverables.	Source code, license, and reusable modules are to be transferred as per IT Act to the client/end user. Please refer Corrigendum XI.
3	Chapter V (5.1 & 5.2)	22–23	Empanelment of agency for Digital Museum & Experiential Lab projects	Kindly clarify the mechanism for award of projects to empaneled agencies (nomination / mini-bid / BOQ-based selection).	Please refer Work Order clause defined in the Tender Document.
4	Chapter V (5.2)	24–27	End-to-end scope including design, content, hardware, O&M	Whether the bidder is required to act as a single turnkey contractor or can components be executed through subcontracting/partners.	The successful bidder has to ensure the completion of all the deliverables
5	Chapter V (5.1)	23	BOQ-based rate contract for future projects	Whether BOQ rates will remain fixed across all project locations or if location-based cost adjustments will be permitted.	Please refer to the tender document.
6	General (Rate Contract)		Rate contract validity	Is there any provision for price escalation during the contract period, especially for hardware and manpower?	Please refer to the tender document.
7	Chapter I (Annexure VII / XXI)	72 / 165	Manufacturer Authorization Form (MAF) requirement	In case MAF is not available for certain specialized or OEM-independent equipment, whether an undertaking/self-certification or alternative authorization will be acceptable.	MAF of mandatory items has to be submitted as per Annexure XXV. Please Refer Corrigendum XI
8	Chapter IV (4.8 & 4.9)	19-20	EMD & Performance Bank Guarantee	Request to allow submission of Earnest Money Deposit (EMD) in the form of Bank Guarantee (BG) in addition to Demand Draft, for ease of compliance and reduced financial burden.	Please refer to the tender document.

9	6.3 Pre- Qualificatio n Criteria	45	The firm should be a company registered in India under Companies Act 1956, Act 2013 or Proprietorship or a partnership registered under the India Partnership Act 1932 or Partnership firm registered under Limited Liability Partnership Act 2008 with their registered office in India in operation for the last ten years.	We respectfully request the Authority to consider revising the minimum operational requirement from ten (10) years to seven (7) years. Reducing the requirement to seven years will encourage wider participation from competent and experienced firms that have demonstrated strong technical and financial capabilities but may not meet the current ten-year threshold. This will enhance competition, ensure better value discovery, and still maintain the quality and credibility of bidders.	Please Refer Corrigendum XI
10	6.3 Pre- Qualificatio n Criteria	46	The Bidder should have the following certificates: 1. ISO 9001:2015 or latest. 2. CMMi Level 3 or above	We respectfully request the Authority to consider revising the minimum bidder quality certification to "any of the above" This will enhance competition, ensure better value discovery, and still maintain the quality and credibility of bidders.	Please Refer Corrigendum XI
11	6.4 Technical- Evaluation, Section OEM Eligibility Criteria	49- 50	OEM Criteria for Hardware Components	Requesting the authority if all OEMs may provide copies of relevant certificates on their official letterhead as part of the compliance documentation for average turnover. This is intended to ensure authenticity and traceability of the submitted credentials.	Please Refer Corrigendum XI
12	6.4 Technical- Evaluation, Section OEM Eligibility Criteria	49- 50	OEM Criteria for Hardware Components	Either ISO 9001 or ISO 27001 certification may be accepted as a qualifying requirement for OEM's of projectors, touch series, TV's and LED's.	Please Refer Corrigendum XI
13	6.4 Technical- Evaluation, Section OEM Eligibility Criteria	49- 50	OEM Criteria for Hardware Components	Supporting documents pertaining to the OEM may be submitted at the time of award of work. This provision allows flexibility during the bidding stage while ensuring that all necessary validations are completed prior to finalization.	Please Refer Corrigendum XI

Sd/-
Chief General Manager(DES)
EdCIL (India) Limited

CORRIGENDUM-XI

Date: 18-08-2026

NIT No. – EdCIL/DES/RC/DM/2026/001 Dated: 13.04.2026

Name: “Selection of Partner for Entering into Rate Contract for “Development & Deployment of Digital Museum and Experiential Lab”

The following corrigendum is made to the above tender.

S. No.	Chapter No.	Page No.	Description as per Tender Document	Modified Description
1	6.3 Pre-Qualification Criteria, 6.3.1, Point no. 1, Legal Entity	45	The firm should be a company registered in India under Companies Act 1956, Act 2013 or Proprietorship or a partnership registered under the India Partnership Act 1932 or Partnership firm registered under Limited Liability Partnership Act 2008 with their registered office in India in operation for the last ten years. Consortium of companies/ firms is not allowed. For MSE/NSIC registered bidder: The firm should be a company registered in India under Companies Act 1956, Act 2013 or Proprietorship or a partnership registered under the India Partnership Act 1932 or Partnership firm registered under Limited Liability Partnership Act 2008 with their registered office in India in operation for the last eight years. Consortium of companies/ firms is not allowed.	The firm should be a company registered in India under Companies Act 1956, Act 2013 or Proprietorship or a partnership registered under the India Partnership Act 1932 or Partnership firm registered under Limited Liability Partnership Act 2008 with their registered office in India in operation for the last seven years. Consortium of companies/ firms is not allowed. For MSE/NSIC registered bidder: The firm should be a company registered in India under Companies Act 1956, Act 2013 or Proprietorship or a partnership registered under the India Partnership Act 1932 or Partnership firm registered under Limited Liability Partnership Act 2008 with their registered office in India in operation for the last five years. Consortium of companies/ firms is not allowed.
2	6.3 Pre-Qualification Criteria, 6.3.1, Point no. 3, Experience of Similar Works	45	The Bidder should have completed atleast 1 (one) similar works in the last 10 (ten) years of minimum value 5 Crore. All values inclusive of GST/taxes.	The Bidder should have completed atleast 1 (one) similar work in the last 07 (seven) years of minimum value 5 Crore. All values inclusive of GST/taxes.
3	6.3 Pre-Qualification Criteria, 6.3.1, Point no. 4, Bidder Quality Certification	46	The Bidder should have the following certificates: ○ ISO 9001:2015 or latest. ○ CMMi Level 3 or above	The Bidder should have the following certificates: ○ ISO 9001:2015 or latest. Or CMMi Level 3 or above

4	6.2 Bid Evaluation Process, Evaluation of the Financial bid clause viii	44	The technically qualified bidder who has quoted the lowest price in the financial bid(Table A) will be declared as L1 and considered for the empanelment. The remaining technically qualified bids shall be ranked in ascending order of their financial quotes as L2, L3, L4, and so on.	The technically qualified bidder who has quoted the lowest price in the financial bid(Table A) will be declared as L1 and considered for the rate contract. The remaining technically qualified bids shall be ranked in ascending order of their financial quotes as L2, L3, L4, and so on.
5	6.2 Bid Evaluation Process, Evaluation of the Financial bid clause ix	44	The rates quoted by all the technically qualified bidders for tables B & C will be discussed, based on the lowest prices quoted for these services by the bidders, to optimise the prices of each of the line items on the lower side to align the prices as per the market for all the services mentioned in the Financial Sheet.	The rates quoted by all the technically qualified bidders for tables B, C & D will be discussed, based on the lowest prices quoted for these services by the bidders, to optimise the prices of each of the line items on the lower side to align the prices as per the market for all the services mentioned in the Financial Sheet.
6	5.2 Scope of Work, Point no. 3, Fit-Out and Infrastructure Works	25	Detailed site survey and assessment	Detailed site survey and assessment. The bidder shall undertake a preliminary site assessment along with basic site preparation, inclusive in the project cost with no additional charges, before commencement of the installation work and shall submit a report on the same.
7	5.2 Scope of Work, Point no. 5, Software Development and Integration	26	All developed software, licenses, and related intellectual property, as specified in the project requirements, shall be handed over to the client upon completion of the project.	All developed software, licenses, source code and related intellectual property shall be perpetual in nature, as specified in the project requirements, and shall be handed over to the client upon completion of the project.
8	(Chapter-VI) OEM Eligibility Criteria	49-50	OEM Eligibility Criteria as per RFP document	OEM Criteria has been modified and will read as per attached Annexure XXII as provided in this corrigendum.
9	Annexure XVI Technical specifications	93-146	Technical Specifications of RFP Document	Technical Specifications have been modified and will be read as per attached Annexure XXIII as provided in this corrigendum.
10	Annexure XX ,Form 1, Table A	153-163	Form 1, Table A as per RFP Document	Form 1, Table A have been modified and will be read as per attached Annexure XXIV as provided in this corrigendum.
11	Annexure XXI, MAF to be submitted	165-172	MAF to be submitted as per RFP Document	MAF to be submitted has been modified and will be read as per attached Annexure XXV as provided in this corrigendum.

All other terms and conditions of the tender document will remain the same.

**Sd/-
Chief General Manager (DES)
EdCIL (India) Limited**

Annexure XXII

Chapter VI OEM Eligibility Criteria:

OEM Criteria for Hardware Components(Projectors, Touch TVs, TVs, LED walls)	Supporting documents to be provided with bid or at the time of issuance of LoA for the project.
OEM should be operational in business in India for at least 5 years	Incorporation certificate and a copy of work orders to be submitted
OEM should have valid ISO 9001/ ISO 27001 certificate	Copy of Certificate to be submitted
Should have valid BIS/RoHS certificate. The average annual turnover of the OEM of the above-mentioned components should be minimum of rupees 500 Cr during the last three financial years i.e. 2022-23, 2023-24, and 2024-25	Copy of Certificate to be submitted Copy of CA certificate or Copy of balance Sheet and P&L account for last three financial years or Copy of Certificate from OEM Authorised signatory for Annual Average turnover on the OEM letterhead.

OEM Criteria for Hardware Components(Cameras)	Supporting documents to be provided with bid or at the time of issuance of LoA for the project.
OEM should be operational in business in India for at least 5 years	Incorporation certificate and a copy of work orders to be submitted
OEM should have valid ISO 9001 & ISO 27001 certificate	Copy of Certificate to be submitted
Should have valid BIS/RoHS certificate The average annual turnover of the OEM of the above-mentioned components should be minimum of rupees 250 Cr during the last three financial years i.e. 2022-23, 2023-24, and 2024-25	Copy of Certificate to be submitted Copy of CA certificate or Copy of balance Sheet and P&L account for last three financial years or Copy of Certificate from OEM Authorised signatory for Annual Average turnover on the OEM letterhead.

OEM Criteria for Hardware Components(Laptops & Networking devices)	Supporting documents to be provided with bid or at the time of issuance of LoA for the project.
OEM should be operational in business in India for at least 10 years	Incorporation certificate and a copy of work orders to be submitted
OEM should have valid ISO 9001 & ISO 27001 certificate	Copy of Certificate to be submitted

Should have valid BIS certificate The average annual turnover of the OEM of the above-mentioned components should be minimum of rupees 500 Cr during the last three financial years i.e. 2022-23, 2023-24, and 2024-25	Copy of Certificate to be submitted Copy of CA certificate or Copy of balance Sheet and P&L account for last three financial years or Copy of Certificate from OEM Authorised signatory for Annual Average turnover on the OEM letterhead.
---	---

OEM Criteria for Audio Devices and Amplifiers	Supporting documents to be provided with bid or at the time of issuance of LoA for the project.
OEM should have a valid BIS certificate	Copy of valid certificate
OEM should have a local manufacturing Unit (through own or contract manufacturing) in India	documentary evidence to be submitted

Note: Bidders are required to provide a self-declaration with the bid, listing the names of the Original Equipment Manufacturers (OEMs) for the above-mentioned components.

Technical Specifications:

S.No.	CATEGORY	ITEM	Specification of Items(mentioned below or better/upgraded versions)	UOM
1	AUDIO	AMPLIFIER I	Supply, Installation, Testing & Commissioning of Mixer Amplifier delivering 120 Watts output power with integrated 5-channel mixer, supporting low-impedance (8 ohm) and 70V/100V constant voltage speaker outputs.	EACH
2	AUDIO	AMPLIFIER II	Supply, Installation, Testing & Commissioning of Mixer Amplifier delivering 120 Watts per channel output power with two-channel configuration, supporting low-impedance (8 ohm) and 70V/100V constant voltage speaker outputs.	EACH
3	AUDIO	AMPLIFIER III	Supply, Installation, Testing & Commissioning of Four-Channel Networked Power Amplifier delivering high-output performance suitable for low-impedance and 70V/100V constant voltage speaker systems, with built-in DSP processing for input/output EQ, delay, limiting and speaker management.	EACH
4	AUDIO	AMPLIFIER IV	Supply, Installation, Testing & Commissioning of Four-Channel Networked Power Amplifier delivering 300 Watts per channel output, suitable for low-impedance and 70V/100V constant voltage speaker systems, with integrated DSP processing including EQ, delay, limiting and speaker management.	EACH
5	AUDIO	AMPLIFIER V	Supply, Installation, Testing & Commissioning of Power Amplifier, 8-channel network-enabled power amplifier designed for installed sound applications in auditoriums, conference halls, public address and commercial audio systems. The amplifier shall provide eight independent output channels with up to 300 watts per channel, delivering high efficiency and reliable performance.	EACH
6	AUDIO	AMPLIFIER VI	Supply, Installation, Testing & Commissioning of amplifier having four independent channels with 300 W per channel at 4Ω output power.	EACH
7	AUDIO	AUDIO DIRECTIONAL	Supply, Installation, Testing & Commissioning of Directional Audio System utilizing ultrasonic parametric array technology operating on approximately 40 kHz carrier frequency to deliver highly focused narrow-beam sound projection with minimal spillover.	EACH

8	AUDIO	CEILING SPEAKER	Supply, Installation, Testing & Commissioning of Two-Way Ceiling Speaker comprising coaxial design with high-performance low frequency driver and high frequency tweeter, suitable for low-impedance and 70V/100V line applications with multiple transformer taps.	EACH
9	AUDIO	CEILING SUBWOOFER	Supply, Installation, Testing & Commissioning of high-performance in-ceiling subwoofer designed for installed sound applications, featuring a 4-inch long-excursion driver housed in a compact back-can enclosure to deliver extended low-frequency performance and consistent sound quality. The subwoofer shall provide frequency response down to approximately 40 Hz and shall be capable of handling 150 W program power, suitable for reinforcing low-frequency output in commercial audio systems. The unit shall include an integrated multi-tap transformer for 70V/100V distributed speaker systems with selectable power taps and low-impedance bypass for 8-ohm operation.	EACH
10	AUDIO	DSP I	Supply, Installation, Testing & Commissioning of Digital Signal Processor with minimum 12 analog inputs and 8 analog outputs, configurable open architecture processing platform supporting audio matrix mixing, EQ, delay, dynamics processing and logic control. The unit shall provide digital audio bus connectivity over Ethernet, GPIO ports for control integration and network-based configuration.	EACH
11	AUDIO	DSP II	Supply, Installation, Testing & Commissioning of digital signal processor. The processor shall provide 12 analog inputs and 8 analog outputs, along with connectivity supporting up to 256 channels of low-latency digital audio for system expansion. The unit shall include configurable DSP processing such as routing, gain control, parametric equalization, crossover filters, delay, dynamics processing, and signal mixing, programmable. The processor shall support Ethernet control and monitoring, GPIO ports for external control interfaces, and RS-232 communication for third-party system integration. The unit shall be 1U rack-mountable, powered through a universal switch-mode power supply, and shall incorporate comprehensive protection and diagnostic indicators.	EACH

12	AUDIO	HIGH CEILING SPEAKER I	Supply, Installation, Testing & Commissioning of Pendant Loudspeaker, a professional high-output pendant loudspeaker designed for distributed commercial sound applications. The loudspeaker shall consist of a 6.5-inch high-excursion low-frequency driver and a 1-inch soft dome high-frequency driver mounted in a coaxial configuration to provide clear and balanced sound reproduction with wide coverage.	EACH
13	AUDIO	LOUDSPEAKER I	Supply, Installation, Testing & Commissioning of Column Loudspeaker with selectable 70V/100V and low-impedance operation, providing controlled dispersion and uniform sound coverage, complete with required mounting accessories.	EACH
14	AUDIO	LOUDSPEAKER II	Supply, Installation, Testing & Commissioning of Two-Way Surface Mount Loudspeaker suitable for indoor/outdoor applications, supporting low-impedance and 70V/100V operation with selectable transformer taps, providing wide coverage and balanced sound performance, complete with mounting brackets.	EACH
15	AUDIO	LOUDSPEAKER III	Supply, Installation, Testing & Commissioning of two-way surface mount loudspeaker suitable for indoor and outdoor applications, incorporating a 5.25-inch low-frequency driver and 0.75-inch high-frequency driver, with frequency response approximately 85 Hz–20 kHz, nominal impedance 8 ohms, power handling up to 200 W (program), sensitivity around 88 dB (1W/1m), and wide coverage pattern of approximately 100° × 100° for uniform sound distribution.	EACH
16	AUDIO	PENDENT SPEAKER	Supply, Installation, Testing & Commissioning of pendant type two-way loudspeaker suitable for indoor applications, incorporating a 6.5-inch low-frequency driver and a high-frequency compression driver, with wide and uniform coverage for distributed sound systems. The speaker shall support low-impedance and 70V/100V line operation with selectable transformer taps, frequency response approximately 75 Hz–20 kHz, power handling up to 150 W (program), and sensitivity around 90 dB (1W/1m).	EACH
17	AUDIO	PENDENT SUBWOOFER	Supply, Installation, Testing & Commissioning of pendant type two-way loudspeaker suitable for indoor distributed sound applications, incorporating a low-frequency driver and high-frequency compression driver to provide wide and uniform coverage. The speaker shall support low-impedance as well as 70V/100V line operation with selectable transformer taps, with frequency response approximately 70 Hz–20 kHz, power handling up to 150 W (program), and sensitivity around 90 dB (1W/1m).	EACH

18	AUDIO	SUBWOOFER I	Supply, Installation, Testing & Commissioning of Passive Subwoofer comprising 15-inch low frequency driver with high power handling capacity, designed for low-impedance operation to reinforce deep bass performance in sound reinforcement systems, complete with required mounting hardware.	EACH
19	AUDIO	SUBWOOFER II	Supply, Installation, Testing & Commissioning of Pendant Subwoofer, a high-performance pendant subwoofer designed to complement full-range pendant loudspeakers. The subwoofer shall incorporate an 8-inch high-excursion low-frequency driver housed in an acoustically optimized enclosure to deliver deep and powerful bass reproduction with smooth low-frequency response.	EACH
20	CCTV	CCTV CONDUIT	Supply, Installation, Testing & Commissioning of 1" PVC Pipe/Casing/Flexible	MTRS
21	CCTV	CCTV LAN CABLE	Supply, Installation, Testing & Commissioning of CAT6 UTP Cable box - 305 Mtrs	BOXES
22	CCTV	CCTV LAN PORT	Supply, Installation, Testing & Commissioning of RJ 45	EACH
23	CCTV	CCTV PATCH CORD	Supply, Installation, Testing & Commissioning of CAT6 UTP Patch Cords -1 Mtrs	EACH
24	CCTV	CCTV PATCH PANEL	Supply, Installation, Testing & Commissioning of CAT6 24 Port Patch Panel	EACH
25	CCTV	CCTV PVC BACK BOX	Supply, Installation, Testing & Commissioning of 4x4 CCTV PVC Back Box	EACH
26	CCTV	CCTV WORK	Providing complete IP-based CCTV surveillance solution including supply, installation, testing and commissioning of network dome cameras with CMOS sensor, IR night vision and HDR capability, network video recorder (NVR) with required storage (including surveillance-grade hard disk), managed PoE network switch, HDMI switcher, and display unit (LED TV) for monitoring. The scope shall include structured cabling comprising CAT6 UTP cables, RJ45 connectors, patch cords, patch panels, PVC conduits/casing/flexible pipes, CCTV back boxes, and all associated passive components required for a complete system. The work shall include laying, routing, termination, dressing, labeling, and protection of cables, installation of cameras with proper mounting and alignment, configuration of NVR, network setup, storage allocation, live view and recording setup, integration with display system, testing of all channels, and commissioning of the complete surveillance system. The item shall also include all accessories, mounting hardware, supports, interconnections, power arrangements, and any incidental works required to ensure seamless operation, complete	SQM

			in all respects as per site conditions, drawings, and instructions of the Engineer-in-Charge.	
27	CCTV	DOME CAMERA	Supply, Installation, Testing & Commissioning of network dome camera having 2MP resolution Full HD with integrated IR illumination with up to 15 m night vision, complete with all necessary mounting accessories, cabling, configuration, and commissioning as required for proper operation.	EACH
28	CCTV	HDD	Supply, Installation, Testing & Commissioning of 8TB Surveillance Hardisk	EACH
29	CCTV	HDMI SWITCHER	Supply, Installation, Testing & Commissioning of 8 Port HDMI Switcher	EACH
30	CCTV	NVR	Supply, Installation, Testing & Commissioning of network video recorder (NVR) system designed for professional IP video surveillance, featuring an integrated all-in-one recording, viewing and management solution.	EACH
31	CCTV	POE SWITCH	Supply, Installation, Testing & Commissioning of 24 Port L2 Managed PoE Switch	EACH
32	CEILING	ACOUSTIC CEILING	Providing & Fixing of Acoustic Ceiling system comprising 20 mm thick high-density sound absorbing panels with factory-finished black surface. The panels shall provide high NRC value, be fire-retardant, durable, and suitable for ceiling suspension using compatible GI grid framework, hangers, anchors and necessary fixing accessories.	SQM
33	CEILING	BAFFLE CEILING	Providing and fixing linear metal baffle ceiling system of approved make such as Armstrong or equivalent, comprising factory-finished powder coated aluminium/metal baffles of approved size, profile and spacing, suspended from the structural ceiling using GI suspension system, carriers, hangers, brackets and necessary fixing accessories. The baffle elements shall be installed in parallel arrangement with uniform spacing as per approved design and ceiling layout, ensuring proper alignment, level and finish. The system shall include carrier rails, suspension rods, fasteners, perimeter trims, connectors and all necessary hardware required for complete installation. The item shall include complete supply of materials, fabrication (if required), installation, cutting, alignment, wastage, labour, scaffolding, tools and accessories to complete the ceiling system as per approved drawings and direction of the Engineer-in-Charge.	SQM

34	CEILING	CUSTOM CEILING	Providing and fixing of Custom Ceiling made out of router cut HDHMR/HDF/MDF/Ply/FRP over the aluminium/G.I. ceiling framework and finished in Artistic Paint work, Texture Paint etc. as per the approved design. The cost shall be all inclusive of transportation, loading, unloading and wastage etc at site. Actual surface area to be measured for payments.	SQM
35	CEILING	GRID CEILING MFT	Providing and fixing of exposed grid suspended ceiling comprising mineral fiber acoustic tiles of approved thickness with fine-textured finish, high sound absorption and light reflectance properties. The tiles shall be installed over a hot-dip galvanized steel suspension grid including main runners, cross tees and wall angles.	SQM
36	CEILING	GYPSUM CEILING	Providing and fixing Gypsum Board Ceiling comprising GI suspension framework with perimeter and ceiling channels, lined with 12.5 mm thick moisture-resistant tapered edge gypsum board.	SQM
37	CEILING	HEXAGON PANEL CEILING	Supply, fabrication & installation of hexagon-shaped suspended ceiling panels in specified module size, fabricated from approved material, supported on MS/GI suspension framework with hangers, connectors, edge trims, and all necessary hardware, complete as per design, drawings, and site conditions.	SQM
38	CEILING	METAL GRID CEILING	Supply, Installation, Testing & Commissioning of GI Metal Lay-in Ceiling System, comprising factory-finished galvanized iron ceiling tiles of size 600 mm x 600 mm with thickness 0.5 mm. The ceiling system shall have fire resistance as per relevant standards and corrosion protection suitable for indoor applications. The work shall include suspension from structural soffit using GI hangers, alignment, leveling, cut-outs for services, testing and commissioning, complete as required.	SQM
39	CEILING	STRETCH BACKLIT CEILING	Provision and fixing of Stretched Backlit ceiling as per design. Frame of the outer body to be finished in powder coating / epoxy paint or as other as per the design. The cost includes labour, materials, wastages, hardware, lead, lifts, cutting to all shapes ,fixing at all loations and levels etc. complete as per the instructions of Engineer-in charge.	SQM

40	CEILING	WOODEN RAFTER CEILING	Providing and fixing traditional Wada style exposed wooden rafter ceiling comprising seasoned hardwood rafters of approved section size (e.g., 75 x 100 mm or as per design), placed at specified spacing, supported on wooden wall plates/beams. Work to include intermediate wooden battens, boarding/planking above (if specified), decorative edge profiles, carved/bracket details as per drawings, complete with necessary MS brackets, anchor fasteners, hardware, and structural supports. All exposed wooden members to be machine finished, sanded smooth, treated with anti-termite and anti-borer solution, and finished with melamine polish/French polish/natural oil finish of approved shade, complete as per architectural drawings and specifications.	SQM
41	CEILING	WOODEN SLATS CEILING	Providing & Fixing of acoustical wall panels made of high-quality engineered wood core with decorative laminated finish, having overall size 192 mm (width) x 2400 mm (length) x 15 mm (thickness) with precision-machined linear channels and perforations backed with acoustic fleece to enhance sound absorption performance. The panels shall be factory-finished with durable laminate surface providing uniform appearance, scratch resistance and easy maintenance. Installation shall include suitable aluminum/metal carrier system, clips, screws and accessories for secure fixing on prepared framework or wall surface as per manufacturer's recommendations.	SQM
42	CIVIL WORKS	BRICK WALL	Providing & Constructing brick masonry wall using first-class burnt clay bricks of standard size laid in cement mortar of specified grade (1:4 or as per drawings) with bricks thoroughly soaked in water before laying, and masonry carried out in proper line, level and plumb. The work shall include proper bonding of bricks in English bond or as specified, raking of joints for plaster where required, and maintaining alignment and structural stability of the wall. The brickwork shall be cured adequately for a minimum of 7 days to achieve required strength and durability. The scope shall include all materials, labour, scaffolding, cutting of bricks, making openings for doors/windows if required, and finishing of joints, complete as per approved drawings, specifications, and directions of the Engineer-in-Charge.	CUM
43	CONTENT	INTERACTIVE AR VISUALIZATION CONTENT	Creation and development of an enterprise grade augmented reality content experience for a single interactive environment, encompassing spatial asset design, trigger configuration, and deployment-ready packaging.	PER CONTENT

44	CONTENT	COLLABORATIVE MULTI-USER VR CONTENT MODULE	Creation, development, and deployment of a group-based interactive virtual reality content module for a single environment, encompassing concept design, three-dimensional modelling, animation, interaction programming, spatial audio integration, quality testing, and performance optimisation. Deliverable is fully compatible with designated VR hardware and software platforms, completed in accordance with the approved storyline and technical specifications.	PER CONTENT
45	CONTENT	CONTENT 3D	3D Animation content at least 50% of the duration, rest 2D animation, motion graphics, composition wherever required along with voice over in 2 languages. Content length ~3 min.	PER CONTENT
46	CONTENT	CONTENT AR	Creation and integration of an augmented reality visualization system for educational and interpretive purposes, including data-driven overlays, interactive informational layers, UI/UX integration, and deployment-ready AR content for a single interactive environment.	PER CONTENT
47	CONTENT	CONTENT HOLOGRAPHIC ANIMATION	Content Development for Holographic Animation in 3D along with voice over in 2 languages. Content length ~3 min.	PER CONTENT
48	CONTENT	CONTENT INTERACTIVE EXHIBIT	Content Development for Interactive Exhibit in 2 languages.	PER CONTENT
49	CONTENT	CONTENT MOTION GRAPHIC	Content Development for 2D Animation, 2D Motion Graphics, Composition, archival photo video along with voice over in 2 languages. Content length ~3 min.	PER CONTENT
50	CONTENT	CONTENT SHOOT	Professional content shoot services including photography and videography using high-resolution camera systems, lighting and audio equipment, deployment of production crew, on-site shoot coordination, drone/aerial coverage (if required), and location-based travel and logistics including transportation, local conveyance, accommodation, boarding, equipment handling, and operational support for capturing promotional, documentary, tourism, institutional, event, and social media content.	PER SHOOT DAY
51	CONTENT	CONTENT STATIC GRAPHIC	Content Development for static graphic and print media in one language. Content to be measured per graphic size in sqm.	SQM
52	CONTENT	CONTENT VR	Content Development for Virtual Reality (360) setup - For 1 environment each.	PER CONTENT
53	CONTENT	GROUP VR CONTENT	Creation, development and deployment of multi-user/group VR interactive content module including concept design, 3D modeling, animation, programming, user interaction, sound integration, testing and optimization, compatible	PER CONTENT

			with designated VR hardware and software platform, complete as per approved storyline and specifications. - For 1 environment each.	
54	CONTENT	HOLOGRAPHIC THREE-DIMENSIONAL ANIMATION	Production of three-dimensional aConceptualization, scripting, design, and production of immersive holographic visual content featuring three-dimensional animated sequences tailored for holographic projection systems, including multilingual voiceover integration, synchronized audio-visual composition, motion graphics, rendering, and deployment-ready media formatting.nimated content formatted and optimised for holographic display systems, complete with professional voiceover narration delivered in two languages.	PER MIN
55	CONTENT	INTERACTIVE EXHIBIT CONTENT DEVELOPMENT	Creation and development of interactive exhibit content assets encompassing user interface elements, media, and instructional material, delivered in two languages for public-facing installation.	PER CONTENT
56	CONTENT	SCRIPT	This includes end-to-end development of scripts for audio-visual, digital, and experiential content, based on approved concepts and research inputs. The scope covers narrative structuring, storyline development, scene breakdowns, dialogues, voice-over text, and storyboarding elements, ensuring the script is engaging, accurate, and aligned with project objectives, target audience, and communication themes. Deliverables shall be provided in approved formats with iterations based on stakeholder feedback.	PER MIN
57	CONTENT	THREE-DIMENSIONAL ANIMATED CONTENT MODULE	Production of curriculum-aligned audiovisual content comprising a minimum 50% three-dimensional animation integrated with two-dimensional animation, motion graphics, and compositing elements as required. Deliverable includes professional voiceover in two languages.	PER MIN
58	CONTENT	TWO-DIMENSIONAL MOTION CONTENT MODULE	Production of audiovisual content comprising two-dimensional animation, motion graphics, compositing, and archival photo and video integration, with professional voiceover narration in two languages.	PER MIN
59	CONTENT	VIRTUAL REALITY 360 ENVIRONMENT	Creation and development of immersive 360-degree virtual reality content for a single environment, encompassing spatial scene design, asset production, and deployment-ready packaging compatible with designated VR hardware.	PER CONTENT

60	ELECTRICAL	ELECTRICAL WORKS	Providing, designing, supplying, installation, testing & commissioning of complete internal electrical works including design and fabrication of Main Electrical Panel and associated Distribution Boards (DBs), and distribution of power from the Main Panel to all sub-distribution boards and final circuits. The scope shall include power and lighting cabling from the Main Panel to DBs and further distribution from DBs to all points, complete with internal wiring, conduit system (concealed or surface as required), cable trays, raceway systems, looping of circuits, switchboards, sockets, lighting points and control wiring, along with all necessary terminations, glands, lugs, ferruling, supports, identification and accessories required for a complete system. The work shall also include complete earthing system including earth pits, earth conductors, earth busbars and bonding of panels, DBs and equipment as per relevant standards. Charging/feeder cables from external sources such as transformer, DG set, UPS or utility supply up to the Main Panel are excluded from this scope. All works shall be carried out complete in all respects as per approved drawings, specifications and site requirements, including testing and commissioning of the installed electrical system.	SQM
----	------------	------------------	--	-----

61	ELECTRICAL	ELECTRICAL WORKS PROJECTION SHOW	Providing, designing, supplying, installation, testing & commissioning of complete internal electrical works including design and fabrication of Main Electrical Panel and associated Distribution Boards (DBs), and distribution of power from the Main Panel to all sub-distribution boards and final circuits. The scope shall include power and lighting cabling from the Main Panel to DBs and further distribution from DBs to all points, complete with internal wiring, conduit system (concealed or surface as required), cable trays, raceway systems, looping of circuits, switchboards, sockets, lighting points and control wiring, along with all necessary terminations, glands, lugs, ferruling, supports, identification and accessories required for a complete system. The work shall also include complete earthing system including earth pits, earth conductors, earth busbars and bonding of panels, DBs and equipment as per relevant standards. Charging/feeder cables from external sources such as transformer, DG set, UPS or utility supply up to the Main Panel are excluded from this scope. All works shall be carried out complete in all respects as per approved drawings, specifications and site requirements, including testing and commissioning of the installed electrical system.	SQM
62	ELECTRICAL	FLOOR PROFILE LIGHTS	Providing, supplying, installing, testing and commissioning DMX controlled linear lighting system suitable for DMX control, complete with compatible DMX drivers/decoders, power supplies, signal amplifiers (if required), and DMX cabling. Profile to be suitable for floor integration with proper housing, load-bearing cover, end caps, mounting accessories and necessary protection against dust and mechanical impact. Scope to include concealed conduiting, junction boxes, addressing, programming, integration with DMX controller, testing and commissioning for synchronized lighting effects. Complete in all respects as per approved layout and site conditions.	RMT

63	ELECTRICAL	UPS	Supply, installation, testing, and commissioning of online modular UPS system with double conversion topology, input voltage range of 160–300V AC, 3-phase input & 3-phase/1-phase output (as required), output voltage 230V $\pm$ 1%, frequency 50Hz $\pm$ 0.1% at full load. The UPS shall have modular hot-swappable power modules, inbuilt static bypass, manual maintenance bypass, LCD display with communication ports. The system shall include SMF/VRLA battery bank sized for minimum 15 minutes backup at full load, complete with battery racks, interconnections, DC cabling, and necessary protections. The scope includes all accessories required for complete operation. The item shall be complete in all respects as per approved makes, technical specifications, and direction of Engineer-in-Charge.	KVA
64	FIRE	FIRE DETECTION & ALARM SYSTEM	Providing complete design, supply, installation, testing and commissioning of Fire Detection and Alarm System for the designated area, comprising intelligent/addressable fire alarm control panel, smoke detectors, heat detectors, manual call points, hooters/sounders, response indicators, interface modules, control modules, and all associated accessories as required for effective fire detection and alarm. The scope shall include design engineering, preparation of shop drawings, cabling, conduits/trunking, mounting accessories, power supply units, integration with other building systems (if required), testing and commissioning, along with all necessary fittings, supports, labour, tools and accessories required to make the system fully functional as per applicable fire safety standards and directions of the Engineer-in-Charge. Floor area covered by the fire detection system measured in for payment.	SQM

65	FIRE	FIRE EXTINGUISHER ABC TYPE	Providing and supplying portable fire extinguisher of ABC dry chemical powder type with 6 kg capacity, suitable for fighting Class A, B and C fires, conforming to relevant IS standards. The extinguisher shall be complete with cylinder, stored pressure type mechanism, discharge hose, nozzle, pressure gauge, safety pin, wall mounting bracket and operating instructions printed on the body. The item shall include supply, installation at designated locations, mounting on wall/stand, initial charging, testing and commissioning, complete with all accessories and labour as required, as per directions of the Engineer-in-Charge.	EACH
66	FIRE	FIRE EXTINGUISHER CO2 TYPE	Providing and supplying portable Carbon Dioxide (CO ₂) type fire extinguisher with 4.5 kg capacity, suitable for Class B and electrical fires, conforming to relevant IS standards. The extinguisher shall consist of seamless steel cylinder, discharge horn, valve assembly, safety pin, pressure release arrangement and wall mounting bracket, complete with operating instructions printed on the cylinder body. The item shall include supply, installation at designated locations, wall mounting with suitable bracket/stand, initial charging, testing and commissioning, complete with all accessories, labour and materials as required, as directed by the Engineer-in-Charge.	EACH
67	FITOUT	ACRYLIC LETTER CUT-OUT	Providing, fabricating, and fixing 8–10 mm thick acrylic letter cutout signage, laser cut to required font, size, and design as per approved artwork. Letters shall be made from premium grade acrylic sheet with smooth polished edges and uniform finish, fixed on wall/back panel using suitable studs, spacers, or high-strength adhesive as required to maintain proper alignment and projection. The item shall include all materials, templates, cutting, finishing, fixing accessories, labour, tools, transportation, and complete installation at site as directed by the Engineer-in-Charge.	SQM

68	FITOUT	AR KIOSK	Providing, fabricating and installing AR Kiosk Stand of overall size 300mm x 300mm base and 750mm height, constructed with MS structural framework of suitable sections, treated with anti-rust primer and finished in approved Duco paint. Kiosk to include angled/top mounting plate suitable for securing tablet device, with provision for locking arrangement, concealed cable routing for power/data, internal wiring sleeve, and access panel for maintenance. Base to be weighted/reinforced for stability and provided with necessary floor anchors or anti-skid pads as required.	EACH
69	FITOUT	ARTIFACT BOX 1200X450	Provision and fixing of Artifact box with 1200mm x 450mm rectangular base and 1200mm overall height made out of router cut HDHMR board and finished in duco paint. Unit to have 1200mm(L)x450mm(W)x450mm(H) glass portion in the center made out of 10 mm thick clear toughened glass on the front side. Dimensions may vary as per design requirements. The artefact box shall include lighting fixtures (spot/strip), the required stand or mount (fixed/adjustable), and a caption panel for artefact information as per design. The complete unit to be finished seamlessly to the satisfaction on Engineer-In-Charge.	EACH
70	FITOUT	ARTIFACT PEDESTAL (450X450X750)	Provision and fixing of Artifact pedestal with 450mm x 450mm rectangular base and 1200mm overall height made out of router cut HDHMR board and finished in duco paint. Unit to have 450mm(L)x450mm(W)x450mm(H) glass portion in the center made out of 10 mm thick clear toughened glass on the front side. Dimensions may vary as per design requirements. The Artifact pedestal shall include lighting fixtures (spot/strip), the required stand or mount (fixed/adjustable), and a caption panel for artefact information as per design. The complete unit to be finished seamlessly to the satisfaction on Engineer-In-Charge.	EACH
71	FITOUT	ARTISTIC SEATING STOOL	Provision and fixing of artistic seating stool with soft cushioning on top complete as per satisfaction of Engineer in Charge.	EACH
72	FITOUT	AUDIO GUIDE HEADPHONE RACK	Providing and fixing of an Audio Guide Headphone Rack of size 1000mm(L)x650mm(W)x2100mm(H) made out of 18mm thk HDHMR board and finished in Duco Paint as per the approved design. The rack to have lockable glass shutters in the front for easy access. The rack to have provision for housing and charging 100 audio guide headphones at a time. The final dimensions will be as per the design.	EACH

73	FITOUT	AUDIO GUIDE RACK	Providing and Fixing of an Audio Guide Rack of size 1000mm(W)x650mm(D)x2100mm(H) made out of 18mm thk HDHMR board and finished in Duco Paint as per the approved design. The racks to be made out of suitable material such as PLY/HDHMR etc as per design. The rack to have lockable glass shutters in the front for easy access. The rack to have provision for storing and charging 100 audio guide at a time. The final dimensions will be as per the design.	EACH
74	FITOUT	AUTOMATIC SLIDING DOOR	Supply, installation, testing and commissioning of Automatic Sliding Door System of overall size 2400 mm (W) × 2400 mm (H), comprising microprocessor controlled sliding door operator with motor and gear drive assembly, track with cover, motion activation sensor, control panel, power supply unit, roller assembly, mounting brackets and all necessary hardware complete. The door shall consist of 10–12 mm thick clear toughened glass double sliding panels with top rails, including complete electrical wiring, alignment, safety calibration, testing and commissioning. The rate shall include site measurement, minor civil adjustments required for installation, integration provision for access control (if required), and handing over in complete working condition as per approved drawings and specifications.	EACH
75	FITOUT	BACKLIT FRAMES	Provision and fixing of Backlit Translite Graphic Frames of varying sizes, suspended from ceiling or mounted on the wall as per approved design and instructions of the Engineer-in-charge.	SQM
76	FITOUT	BENCH 2 SEATER	Provision and fixing of bench with soft leather cushioning in specified shape and size (tentatively 1350Lx600Wx450H) fabricated in HDHMR/ Flexi Ply with cushioning on top and sides to be finished in duco paint of appropriate colour/shade complete as per satisfaction of Engineer in Charge. Dimensions may vary as per design requirements.	EACH
77	FITOUT	BENCH 3 SEATER	Provision and fixing of bench with soft leather cushioning in specified shape and size (tentatively 1950Lx600Wx450H) fabricated in HDHMR/ Flexi Ply with cushioning on top and sides to be finished in duco paint of appropriate colour/shade complete as per satisfaction of Engineer in Charge. Dimensions may vary as per design requirements.	EACH

78	FITOUT	BLINDS	Providing and fixing window blinds of approved make and quality, such as roller/vertical blinds (as specified), made from high-quality fabric/PVC material in approved colour, shade and pattern. The blinds shall be complete with aluminium head rail, operating mechanism, control chain/cord, brackets and all necessary mounting accessories. The item shall include measurement, supply, fabrication to custom size, transportation, installation, alignment, testing of operating mechanism and all required labour, tools and accessories to complete the installation as per approved design and direction of the Engineer-in-Charge. Window opening area measured for payment.	SQM
79	FITOUT	CENTER TABLE	Supply, fabrication, and installation of center table of size 900 mm x 900 mm, made from high-quality engineered wood/solid wood with approved laminate/veneer finish, topped with 10–12 mm thick toughened glass fixed with suitable supports/fixtures, including all hardware, edge finishing, polishing, and protective coating; complete in all respects as per design, drawings, and site requirements.	EACH
80	FITOUT	CHAIR REVOLVING	Provision of fixing of Revolving Chair with medium backrest and Adjustable Seat Height, Armrest, Locking Mechanism, Recline, Seat Lock, Swivel, Wheels as per satisfaction of Engineer in Charge.	EACH
81	FITOUT	CIVIL SUB-STRUCTURE	Civil substructure work including site preparation, clearing, grubbing, and removal of vegetation, followed by excavation to the required depth as per design, with proper disposal of surplus earth. The item to include shoring and strutting for earth retention and dewatering to maintain dry conditions within the excavation area. Anti-termite treatment to be applied to the soil following relevant standards before laying concrete of specified grade to prepare a stable base for foundation footings complete as per the structural drawing. Item includes reinforcement and suitable anti-corrosion additives as per the structural analysis.	SQM
82	FITOUT	CLASSROOM TABLE	Supply, Installation, Testing & Commissioning of smart classroom table of size 1800 mm (L) × 600 mm (W) × 750 mm (H), made of high-quality pre-laminated engineered wood/plywood with edge banding, including provision for housing electrical equipment, cable management system, modesty panel and necessary hardware fittings, complete in all respects as per specifications and approved design.	EACH

83	FITOUT	COLONIAL INLAY MAP WITH PLATFORM	Providing, fabricating, and installing a detailed 3D general map model mounted on a circular/polygonal display base, complete with finish suitable for top projection mapping or display purposes. The model shall be developed using high-quality FRP/resin composite with engraved and finished surface detailing including geographical markings, terrain contours, river alignments, and region demarcations as per approved drawings and references. The display unit shall include a finished base structure with decorative cladding, internal service cavity for wiring and associated equipment, and 300 mm high toughened glass railing around the perimeter for protection. The item shall include complete fabrication, finishing, installation, fixing, and all necessary materials, hardware, labour, transportation, and commissioning as required for a complete installation. Surface area in plan (Sq.m) to be measure for payment purposes.	SQM
84	FITOUT	CONFERENCE TABLE	Providing, fabricating, supplying & installation of high-end modular conference table of 600 mm depth and 750 mm height, measured in running length, comprising engineered wood/board construction with approved veneer finish on top and laminate finish on all exposed sides, supported on suitable MS/engineered subframe structure; including integrated cable management system with raceways, access flaps/grommets, and provision of in-built power sockets/data points; complete with all hardware, fittings, finishes, and accessories, as required.	RMT
85	FITOUT	CONTROL ROOM	Provision and fixing of Control Room Porta-Cabin including, Air condition, working table, server rack etc. complete as per requirement.	EACH
86	FITOUT	CURTAINS SET	Providing and installing curtains of approved make, made from high-density fabric of 500 GSM ($\pm 5\%$ tolerance) in approved shade color, complete with eyelet type hanging system and tailored in custom sizes as per site requirements. The curtain shall be designed to provide light control, with neatly stitched edges and reinforced eyelets for durability. The item shall include supply of curtain fabric, stitching, eyelets, necessary curtain rods/tracks, mounting brackets, fixing hardware, transportation, labour, and complete installation at site as directed by the Engineer-in-Charge.	SQM

87	FITOUT	DECORATIVE HANGING LIGHT	Supply, Installation, Testing and Commissioning of decorative hanging light fixture, wiring, and suspension arrangement, finished in approved design and colour; complete with LED light source, ceiling mounting accessories, and all necessary fittings, including installation, connection, and testing as required, to the satisfaction of Engineer-in-Charge	EACH
88	FITOUT	DISCUSSION TABLE	Supply and installation of rectangular modular collaboration table of size 1800 mm (L) × 900 mm (W) × 750 mm (H), constructed with high-quality engineered wood/laminated board with edge banding, supported on powder-coated mild steel frame. The table shall include provision for cable management (grommets/trays), suitable for group discussions, laptop usage and collaborative work environments, complete in all respects.	EACH
89	FITOUT	FLIPBOOK KIOSK	Providing and fixing of a Flipbook Kiosk (Wall/Floor Mounted) made out of HDHMR suitable to house two screens of 55inch, Server, Conduits, cabling & power sockets, finished in Duco Paint as per drawing.	EACH
90	FITOUT	FLUSH DOOR DOUBLE LEAF	Providing and fixing double leaf wooden flush door shutter of approved thickness and Rough Opening: 1800 mm (W) × 2400 mm (H), finished in Duco paint / laminate / veneer as per approved design, complete with necessary preparation, polishing and edge finishing; including providing and fixing hardwood sheesham wood door frame of suitable section, treated and seasoned, with rebates, holdfasts, necessary anchors, and finished as specified. Item to include all required hardware fittings such as door closers, handles, lockset, door coordinator, hinges, stoppers, screws and accessories; including cutting, fitting, alignment, fixing at all locations and levels, making good of adjoining surfaces, labour, materials, wastage and complete installation as per drawings and instructions of Engineer-in-Charge.	EACH

91	FITOUT	FRP WORK - COLUMN	Providing, fabricating and fixing FRP (Fiber Reinforced Plastic) decorative columns and arches replicating traditional Indian architectural elements with high depth and relief, as per approved design and drawings. The FRP elements shall be moulded with fine detailing and mounted over a suitable MS framework, including necessary supports, brackets, fasteners and appropriate fixing mechanisms to ensure structural stability and proper alignment. The item shall include design development, mould preparation, fabrication, finishing, painting as required, transportation, installation, and all necessary materials, labour, scaffolding and accessories to complete the work as per the design intent and direction of the Engineer-in-Charge. Surface area of finished FRP work shall be measured in for payment purposes.	SQM
92	FITOUT	FRP WORK - WALL MURAL	Providing, fabricating and fixing FRP (Fiber Reinforced Plastic) wall mural work / decorative wall cladding with fine detailing and relief as per approved design and drawings. The FRP elements shall be manufactured with required depth, texture and intricate detailing, and fixed over a suitable MS framework, including necessary supports, brackets, fasteners and appropriate fixing mechanisms to ensure proper alignment and structural stability. The item shall include design development, mould preparation, fabrication, finishing, painting as required, transportation, installation, scaffolding, and all necessary materials, labour and accessories to complete the work in accordance with the design intent and directions of the Engineer-in-Charge. Wall elevation area of the finished FRP mural/cladding shall be measured in for payment purposes.	SQM

93	FITOUT	GLASS DOOR DOUBLE LEAF	Providing and fixing double leaf frameless toughened glass door of 2400mm (W) x 2400mm (H) size, fabricated from 12 mm thick clear toughened safety glass with polished edges, complete with patch fittings system including top and bottom patches, corner patches, floor spring, pivot set, pull handles (SS finish), patch lock, strike plate and all necessary accessories. Item to include necessary cut-outs, edge finishing, alignment, fixing to floor and lintel/MS/RCC support as applicable, application of clear silicone sealant, testing, cleaning and complete installation at all levels and locations as per approved drawings and instructions of Engineer-in-Charge.	EACH
94	FITOUT	GLASS POD	SITC of cylindrical hearing pod of size 1500 mm diameter x 2100 mm height, made of laminated glass with acoustic property so as to reduce noise, and having glass door with acoustic seals, necessary structural support frame, and concealed finishes, complete in all respects including installation and finishing as per approved design and direction of Engineer-in-Charge."	EACH
95	FITOUT	GLASS RAILING	Providing, fabricating and fixing toughened glass railing system of 1050 mm height from finished floor level, comprising laminated glass panels with polished edges, anchored to MS mezzanine floor structure with cleats/base plates and high-tensile bolts. Including ss top handrail/cap (if required), EPDM gaskets, setting blocks, structural silicone, sealants, brackets, fasteners, alignment, finishing and cleaning, complete as per approved drawings and site conditions.	RMT
96	FITOUT	GLASS TUBE PRODUCT DISPLAY	Providing and installing Table-Top Glass Tube Product Display Case of 450mm diameter and 600mm height, comprising 10–12mm thick clear toughened curved glass cylinder with polished edges, fixed over and into a suitable circular base ring/frame in MS/SS with anti-rust treatment and finished in approved paint/brush finish.	EACH
97	FITOUT	HANDWRITING KIOSK	Provision and fixing of Handwriting Robot Kiosk of size 600(L)x450mm(W) base and 850mm height, appropriate for mounting a handwriting robot and to store papers, conduits etc. Dimensions may vary as per design requirements. The kiosk shall be made of HDHMR (High Density High Moisture Resistance) and finished with Duco paint/solid acrylic surface as per the approved design.	EACH

98	FITOUT	INTERIOR WORKS	Supply, Installation, Testing & Commissioning of complete interior works including ceilings such as acoustic ceiling/baffle ceiling/custom ceiling/grid ceiling (MFT)/gypsum ceiling/hexagon panel ceiling/metal grid ceiling/stretch backlit ceiling/wooden rafter ceiling or wooden slats ceiling; partition works including HDHMR partitions, MS partitions and service doors; wall finishes including wall painting/interior paint/duco paint/exterior paint/wallpaper/vinyl graphics/projection paint/acoustic wall paneling and fabric paneling; flooring works including carpet flooring/ engineered marble/ epoxy flooring/ granite (dark, light and outdoor flamed), Indian white marble/ Italian beige marble/ Italian dark marble and micro concreting/ aluminium skirting/ and all associated civil, finishing and support works including framework, hardware, fixtures, surface preparation, scaffolding, edge trims and making good of all finishes; complete in all respects as per approved drawings, specifications and site conditions.	SQM
99	FITOUT	KIOSK 16	Providing and fixing of Kiosk 16 (Wall/Floor Mounted) made out of HDHMR suitable to house a 15 to 16 inch touchTV, Server, Conduits, cabling & power sockets, finshed in Duco Paint as per drawing.	EACH
100	FITOUT	KIOSK 22	Providing and fixing of Kiosk 22 (Wall/Floor Mounted) made out of HDHMR suitable to house a 21 to 22 inch touch TV, Conduits, cabling & power sockets, finshed in Duco Paint as per drawing.	EACH
101	FITOUT	KIOSK 32	Providing and fixing of Kiosk 32 (Wall/Floor Mounted) made out of HDHMR suitable to house a 32 inch touch TV, Conduits, cabling & power sockets, finshed in Duco Paint as per drawing.	EACH
102	FITOUT	KIOSK 55	Providing and fixing of Kiosk 55 made out of HDHMR suitable to house a 55 inch TV, Server, Conduits, cabling & power sockets, finshed in Duco Paint as per drawing.	EACH
103	FITOUT	KIOSK 65	Providing and fixing of Kiosk 65 made out of HDHMR suitable to house a 65 inch TV, Server, Conduits, cabling & power sockets, finshed in Duco Paint as per drawing.	EACH
104	FITOUT	KIOSK 85	Providing and fixing of Kiosk 85 made out of HDHMR suitable to house a 85 inch TV, Server, Conduits, cabling & power sockets, finshed in Duco Paint as per drawing.	EACH

105	FITOUT	LED CEILING STRUCTURE	Provision & fixing of curved/straight structure made out of MS CRC PIPE, to be made for mounting of LED wall from ceiling. MS Pipe Surface to be treated with primer as per satisfaction of Engineer in Charge. sqft to be measured in overall surface area in plan.	SQM
106	FITOUT	LED FRAMEWORK	Provision & fixing of curved/straight structure made out of MS CRC PIPE, to be made for mounting of LED wall. MS Pipe Surface to be treated with primer as per satisfaction of Engineer in Charge. sqft to be measured in overall surface area in plan.	SQM
107	FITOUT	LEVITATION KIOSK	Providing and fixing of 600mm dia and 900mm high kiosk for covering the levitation module and made out of 12-18mm thk HDHMR board and finished in PU paint as per the approved design. Final height may vary as per the Module height. The kiosk should have provision to mount the levitation mechanism.	EACH
108	FITOUT	MANNEQUIN FRP	Realistic Mannequin: Curating , Designing , developing, providing, casting, installing erecting, fixing final finishing and commissioning of realistic FRP mannequins in human scale of required shape, size, posture, colour, expression, gesture including costume and accessories of all characters on the basis of the design concept / model / prototype / drawings. Each mannequin should be securely mounted on a stable base to ensure stability and safety.	EACH
109	FITOUT	MANNEQUIN HYPER REALISTIC	Curating , Designing , developing, providing, casting, installing erecting, fixing final finishing and commissioning of hyper realistic mannequins in human scale of required material (Fibre, Silicone, Wax etc. as required), shape, size, posture, colour, expression, gesture, design including costume and accessories of all characters i.e. Hair grafting, silicon pigmentation, etc. on the basis of the design concept / model / prototype / drawings. The 3D asset to be designed in line with the approved characters as described. Each mannequin should be securely mounted on a stable base to ensure stability and safety.	EACH
110	FITOUT	MANNEQUINS PEDESTAL (600X450X300)	Provision and fixing of Pedestal of size 600mm(W)x450mm(D)x300mm(H), made out of MS frame and HDHMR board to house elements such as mannequins, Artifact etc. as required. The final finish to be done in artistic paintwork/FRP/CNC router cut Details as per the approved design.	EACH

111	FITOUT	MOTION SEATS	Providing, supplying, installing, testing and commissioning floor-mounted motion chair system in a set of 3 or 4 seats, complete with integrated motion base platform capable of synchronized dynamic movements for immersive simulation experiences. Each seat shall be ergonomically designed with soft cushioning, upholstered seat, backrest and armrests, mounted on a robust steel motion frame with suitable actuators/servo motors to generate multi-axis motion effects. The system shall be compatible with multimedia control systems and shall include motion controller unit, wiring, power supply, mounting hardware, base frame, vibration and motion effects mechanism, and all necessary accessories required for proper functioning. The item shall include transportation, installation, alignment, testing, commissioning and integration with the show control system as per approved make and model and as directed by the Engineer-in-Charge. Quantity to be measure per chair for payment purpose.	CHAIR
112	FITOUT	MULTISENSORY PLATFORM	Providing, fabricating and fixing multi-level stepped platform up to 900 mm height constructed using MS structural framework with adequate members, bracing and supports, designed to safely support the load of seats and occupants as per design requirements. The platform shall be finished with plywood covering on exposed sides and top surface finished with carpet, complete with neatly finished edges. The platform shall include intermediate steps/levels with maximum riser height of 150 mm for comfortable access, along with necessary steps/approach on required sides as per approved layout. The MS framework shall be properly anchored, aligned and finished, ensuring structural stability and durability. The scope shall include complete fabrication of MS frame, ply cladding, carpet finish, necessary fasteners, anchoring, transportation, installation, and all labour, tools and accessories required to complete the work as per approved drawings and direction of the Engineer-in-Charge. Top surface area in plan of the platform layout shall be measured for payment.	SQM
113	FITOUT	PARTITION WALL - ALUMINIUM WORK	Providing and fixing aluminium framework for wall partition system using aluminium hollow sections/channels of in grid pattern not exceeding 600mm x 600mm c/c, including cutting, jointing, anchoring to floor/wall/ceiling, necessary brackets, fasteners, hardware, and all complete as per approved design and direction of Engineer-in-Charge.	SQM

114	FITOUT	PARTITION WALL - HDHMR WORK	Providing and fixing of 12-18mm thick HDHMR panel cladding on straight/curved on existing ms framework. The cost includes labour, materials, wastages, hardware, lead, lifts, cutting to all shapes, fixing at all loations and levels etc. complete as per the instructions of Engineer-in charge.	SQM
115	FITOUT	PARTITION WALL - MS WORK	Providing and fixing of single side partition ms framework of 50mm x 50mm sections and appropriate gauge at 600mm vertically/horizontally spacing and as where required for proper completion of job fixed to the wall by means of screws . The cost includes labour, materials, wastages, hardware, lead, lifts, cutting to all shapes, fixing at all loations and levels etc. complete as per the instructions of Engineer-in charge.	SQM
116	FITOUT	PARTITION WALL - WOOD WORK	Providing and fixing wooden framework for wall partition using seasoned hardwood/approved quality wood battens in grid pattern not exceeding 600mm x 600mm c/c, including cutting, jointing, anchoring to floor/wall/ceiling, necessary screws, fasteners, treatment against termite and moisture, and all complete as per approved design and direction of Engineer-in-Charge.	SQM
117	FITOUT	PHOTO FRAMES	Provision and fixing of photo frame of varying size mounted on wall with necessary accessories. Frame glass to be 2 to 4 mm thk with fibre/metal/wood for peripheral frame. Dimensions may vary as per design requirements.	SQM
118	FITOUT	PODIUM	Provising and fixing of Podium of size 600mm(L)x450mm(W)x1200mm(H) made out of HDHMR and finished in duco paint/laminate as per the approved design,	EACH
119	FITOUT	POLYCARBONATE SHEET	Providing and fixing polycarbonate sheet roofing/cladding system using approved make, fixed over G.I. framework. The G.I. framework shall be properly fabricated, aligned and secured with necessary members, brackets, fasteners and supports to ensure structural stability. The supporting framework shall be treated with primer and finished with Premium Enamel paint for protection and durability. Polycarbonate sheets shall be fixed with suitable profiles, EPDM gaskets, sealants, screws and accessories to ensure proper sealing and weather resistance. The item shall include complete supply of materials, fabrication of framework, surface preparation, primer and paint application, fixing of polycarbonate sheets, labour, tools, transportation and installation as per approved drawings and direction of the Engineer-in-Charge.	SQM

120	FITOUT	PRODUCT DISPLAY NICHE - 1	Providing and fabricating Product Display Niche of internal size 600mm (W) x 900mm (H) x 450mm (D), constructed in HDHMR/plywood framework with necessary supports and finished as per approved design. Niche to include thematic printed vinyl graphic backdrop duly pasted on prepared surface. Complete in all respects including making good of finishes, testing and commissioning.	EACH
121	FITOUT	PRODUCT DISPLAY NICHE - 2	Providing and fabricating Product Display Niche of internal size 700mm (L) x 1200mm (H) x 450mm (D), constructed with HDHMR/plywood framework and necessary internal supports, finished in approved laminate/Duco paint as per design intent. Niche to include thematic printed vinyl graphic backdrop duly applied on prepared surface.	EACH
122	FITOUT	PRODUCT DISPLAY NICHE - 3	Providing and fabricating Product Display Niche of internal size 1400mm (L) x 1200mm (H) x 450mm (D), constructed with HDHMR/plywood framework and necessary internal supports, finished in approved laminate/Duco paint as per design intent. Niche to include thematic printed vinyl graphic backdrop duly applied on prepared surface.	EACH
123	FITOUT	PRODUCT DISPLAY TABLE - 1	Providing, fabricating and installing Product Display Table of size 1500mm (L) x 600mm (D) x 750mm (H), constructed with internal MS framework (square/rectangular hollow sections of suitable size) duly treated with anti-rust primer and enamel finish, clad with 18mm thick HDHMR boards on all visible faces. The table shall be finished with high-quality Duco paint (approved shade and sheen level), including surface preparation, edge finishing, necessary supports, levelling adjustments, hardware, and provision for service cut-outs if required. Complete in all respects as per design, drawing and site conditions.	EACH

124	FITOUT	PRODUCT DISPLAY TABLE - 2	Providing, fabricating and installing Product Display Table of size 2400mm (L) x 600mm (D) x 750mm (H), constructed with internal MS framework (square/rectangular hollow sections of suitable size) duly treated with anti-rust primer and enamel finish, clad with 18mm thick HDHMR boards on all visible faces. The table shall be finished with high-quality Duco paint (approved shade and sheen level), including surface preparation, edge finishing, necessary supports, levelling adjustments, hardware, and provision for service cut-outs if required. Complete in all respects as per design, drawing and site conditions.	EACH
125	FITOUT	PRODUCT DISPLAY TABLE - 3	Providing, fabricating and installing Product Display Table of size 4000mm (L) x 600mm (D) x 750mm (H), constructed with internal MS framework (square/rectangular hollow sections of suitable size) duly treated with anti-rust primer and enamel finish, clad with 18mm thick HDHMR boards on all visible faces. The table shall be finished with high-quality Duco paint (approved shade and sheen level), including surface preparation, edge finishing, necessary supports, levelling adjustments, hardware, and provision for service cut-outs if required. Complete in all respects as per design, drawing and site conditions.	EACH
126	FITOUT	PRODUCT WALL DISPLAY - 1	Providing and fabricating Circular Product Display Wall Unit of 450mm diameter and 300mm depth, comprising internal HDHMR/plywood box framework securely fixed to wall with necessary anchors and supports. The outer visible fascia to be developed in custom moulded FRP cladding depicting ship porthole/window theme, finished with approved paint finish, texture and detailing as per design intent, all as per approved drawings and site conditions.	EACH
127	FITOUT	PROFILE LIGHT	Providing and fixing energy-efficient LED Profile lighting in ceiling/wall grooves with aluminium profile and diffuser, including LED strips, drivers, wiring, accessories and all associated electrical works, complete in all respects as per approved design and direction of Engineer-in-Charge.	RMT
128	FITOUT	PROJECTION FILM	Supply, Installation, Testing & Commissioning of projection film suitable for application on glass surfaces for professional display systems. Scope includes supply of high-quality projection film, surface preparation, precise application to ensure a bubble-free and uniform finish, and integration with the projection system.	EACH

129	FITOUT	PROJECTION SCREEN	Providing & Fixing of Projection screen on existing MS structure with hooks at regular intervals including Acoustically Transparent Screen fabric installed on front with eyelets at all sides to be stretched with cotton twine and fixed to the MS framework.	SQM
130	FITOUT	PROJECTOR ENCLOSURE	Provision and fixing of weather proof Projector Enclosure with mount to protect projector from outside weather fabricated with outer GI enclosure and weather resistant sheeting and sealent, complete as per satisfaction of Engineer in Charge.	EACH
131	FITOUT	PROJECTOR TOWER	Providing, fabricating, supplying, erecting, and fixing of MS projection tower using MS sections as per approved design, including anchoring to existing structure with base plates, fasteners, and grouting. Scope includes MS ladder for climbing access, top platform with metal chequered sheet, and safety railings. All MS work to be finished with anti-rust primer and enamel paint. Complete in all respects.	EACH
132	FITOUT	QUEUE MANAGER	Supply, installation, testing, and commissioning of a Queue Manager System featuring high-quality stainless steel post. The post should have a minimum height of 1000mm and a base diameter of at least 300mm. The retractable belt should have a minimum length of 2 meters and a width of 50mm. The system should be floor-mounted finished in either polished or matte as per design requirements. The quantity shall be measured in number of poles.	EACH
133	FITOUT	RECEPTION DESK	Providing and fixing a custom-designed reception counter of size 2400mm (length) × 600mm (depth) × 1050mm (height), made of 18mm thick HDHMR. The counter shall be finished with Laminate. All visible edges shall be finished with matching edge banding. The unit shall include all required hardware, built-in storage as specified in the design, and provisions for electrical outlets. The item includes all materials, hardware, labour, tools, and transportation. The agency shall ensure structural stability, public safety, and a high-quality finish, complete in all respects to the satisfaction of the Engineer-in-Charge.	EACH

134	FITOUT	RECEPTION DESK SMALL	Providing and fixing a custom-designed reception counter of size 1500mm (length) × 600mm (depth) × 1050mm (height), made of 18mm thick HDHMR. The counter shall be finished with Laminate. All visible edges shall be finished with matching edge banding. The unit shall include all required hardware, built-in storage as specified in the design, and provisions for electrical outlets. The item includes all materials, hardware, labour, tools, and transportation. The agency shall ensure structural stability, public safety, and a high-quality finish, complete in all respects to the satisfaction of the Engineer-in-Charge.	EACH
135	FITOUT	SCENOGRAPHY	Designing, Fabrication and Installing in place Artistic Scenography (replica of a scene, in a three-dimensional relief model) in size and scale as per approved drawings. The Scenography are to have landscape elements setting made out of different natural or artificial materials like wood, stone, clay, rubber, metal, glass, plexi glass, plaster, POP, plastics, fiberglass, artificial grass, bushes, shrubs, foam, epoxy, resins, paint, paper, plants, wire, mesh, thread, etc. to typically showing historical events, nature scenes, topography or cityscapes, with scaled human 3D figures and animals, etc. for purposes of information, thrill, education or entertainment as per the direction of engineer-in-charge. The rates include all materials, labour, tools, scaffolding, plants and equipment. Nothing shall be paid extra on this item. For payment purposes the actual surface area of floor, wall and ceiling shall be measured.	SQM
136	FITOUT	SCRIM SCREEN	Provision and fixing of Mesh/Scrim Projection Screen compatible as per the required output as per the approved design. The Projection surface to include structure at regular intervals.	SQM
137	FITOUT	SEATING STOOL	Supply and installation of factory-made round stool seating of approx. 350 mm diameter and 450 mm height, comprising suitable core structure with cushioned top and upholstered in fabric/leatherette of approved colour/shade, complete with internal support/frame for required strength and stability, finished in all respects; design and dimensions as per approved specifications and site requirements.	EACH
138	FITOUT	SEG	Provision and fixing of Backlit Silicon Edge Graphics (SEG), designed to be fixed on the wall with necessary support. The graphic panel shall be made of polyester fabric, and metal frame with a fabric material utilizing a UV printing process. Final size to be followed as per drawing.	SQM

139	FITOUT	SERVICE DOOR	Provision and fixing of a seamless service door of size 450(W) × 2100(H) or as per final site requirements, integrated within the partition wall. The door shall be fabricated using 18mm thk HDHMR board with MS frame at the back to match the partition wall. Finish shall be in matching the partition wall. The work shall include all cutting, framing, concealed fixing hardware, accessories, and adjustments to achieve smooth, noiseless operation. All works shall be executed in accordance with the approved drawings and subject to final approved design.	EACH
140	FITOUT	SIDE TABLE	Supply and placing side table in position with sizes 450mm(W)x450mm(D)x400mm(H) with top made of 10mm thick toughened glass top supported on wooden structure. The entire table Structure is made up of well seasoned hardwood and is finished with spray applied natural melamine polish in satin matt finish as per the Architect's approval. The Table shall have another shelf at lower level. The complete furniture unit is factory assembled with knock down fittings as per approved sample and as per the direction of Engineer-In-charge.	EACH
141	FITOUT	SIGNAGE	Providing, fabricating, supplying, and installing signage of approved type, size, material, and design, suitable for wayfinding/identification/information purposes. The signage shall be made of ACP/acrylic/metal/vinyl or combination (as specified) with printed/engraved/letter-cut graphics, complete with required finishes. The item includes all mounting arrangements such as brackets, fasteners, adhesives, frames, or supports, along with layout marking, fixing, alignment, and finishing to achieve a clean and professional installation. All materials, labour, tools, transportation, installation, and final finishing shall be included, executed as per approved drawings and directions of the Engineer-in-Charge, complete in all respects.	SQM
142	FITOUT	SOFA 3 SEATER	Fabrication and installation of 3-seater sofa as per approved drawing, including frame, cushioning, upholstery, and finishing.	EACH
143	FITOUT	SOFA SINGLE SEATER	Supply and placement of single seater sofa (approx. size up to 800 × 750 × 680 mm) with sturdy frame, cushioned seat and backrest, upholstered in fabric of approved color and design with good quality foam cushioning and finishing, complete in all respects as per approval of Engineer-in-Charge.	EACH

144	FITOUT	SS RAILING	Providing & Fixing Stainless Steel (SS) Railing with custom design, fabricated from high-quality Stainless Steel Grade SS 304 (or SS 316 where specified) including vertical posts, horizontal members, handrails and decorative elements as per approved custom design drawings. The railing shall be constructed using SS pipes/sections of suitable diameter and thickness (minimum 1.2–1.5 mm thick or as per design requirements) with smooth bends, joints and proper alignment. The work shall include cutting, welding, grinding and polishing to achieve a smooth hairline/mirror finish, ensuring uniform appearance and durability. The railing shall be securely fixed to floor, staircase or structural members using SS base plates, anchor fasteners, brackets and necessary hardware, complete with SS fittings, caps and accessories. All joints shall be properly welded and finished to match the surrounding surface, ensuring structural stability and aesthetic appeal. The work shall include fabrication, supply, installation, polishing, alignment and finishing, complete in all respects as per approved custom design, site conditions and directions of the Engineer-in-Charge.	RMT
145	FITOUT	TABLET KIOSK	Providing and fixing tablet kiosk fabricated from HDHMR board of approved thickness, finished with Duco paint in approved shade and finish, including all necessary hardware, fittings, internal supports, cable management provisions, and provisions for securely mounting the tablet, complete in all respects as per drawings and site instructions.	EACH
146	FITOUT	TOUCH GLASS	Providing & Fixing clear toughened glass panel over digital display units to facilitate installation of touch overlay system, consisting of high-quality transparent toughened safety glass of minimum 6–8 mm thickness (or as required based on display size), with machine-polished edges and corner finishing to ensure safety and durability. The glass shall be optically clear with high light transmission and minimal distortion, allowing proper visibility of the display beneath.	SQM
147	FITOUT	TOUCH TABLE (2X1)	Provision and fixing of a Touch table of size 2500mm(L)X750mm(D)X900mm(H) made out of 12-18mm thick HDHMR with appropriate subframe and finished in Duco Paint/artistic paint. Item to include necessary conduiting, complete as per the satisfaction of engineer in charge.	EACH

148	FITOUT	TOUCH TABLE (3X1)	Provision and fixing of a Touch table of size 3700mm(L)X750mm(D)X900mm(H) made out of 12-18mm thick HDHMR with appropriate subframe and finished in Duco Paint/artistic paint. Item to include necessary conduiting, complete as per the satisfaction of engineer in charge.	EACH
149	FITOUT	TRANSPARENT SCREEN 86"	Supply, Installation, Testing & Commissioning (SITC) of Transparent Display Screen with high-resolution panel, wide viewing angle, high brightness, and durable glass design, complete with mounting structure, control unit, cabling, and power supply, as per approved specifications.	EACH
150	FITOUT	TRIPOD	Supply, Installation, Testing and Commissioning of tripod stand made of lightweight and durable material, with adjustable height, stable base, and standard mounting compatibility for cameras/mobile devices; complete with necessary fittings, accessories, and adjustments, including installation and testing as required	EACH
151	FITOUT	TV COVER 55	Provision and fixing of a TV cover to conceal a 55" tv and its mounts and accessories. The tv cover to be made out of 12-18mm thick HDHMR with appropriate subframe and finished in Duco Paint/artistic paint. Item to include necessary conduiting, complete as per the satisfaction of engineer in charge.	EACH
152	FITOUT	TV COVER 65	Provision and fixing of a TV cover to conceal a 65" tv and its mounts and accessories. The tv cover to be made out of 12-18mm thick HDHMR with appropriate subframe and finished in Duco Paint/artistic paint. Item to include necessary conduiting, complete as per the satisfaction of engineer in charge.	EACH
153	FITOUT	TV COVER 86	Provision and fixing of a sleek frame to conceal a 85" to 86" tv and its mounts and accessories. The frame to be made out of 12-18mm thick HDHMR with appropriate subframe and finished in Duco Paint/artistic paint. Item to include necessary conduiting, complete as per the satisfaction of engineer in charge.	EACH
154	FITOUT	TV COVER 98	Provision and fixing of a sleek frame to conceal a 98" tv and its mounts and accessories. The frame to be made out of 12-18mm thick HDHMR with appropriate subframe and finished in Duco Paint/artistic paint. Item to include necessary conduiting, complete as per the satisfaction of engineer in charge.	EACH

155	FITOUT	TV FRAME 55	Provision and fixing of a sleek frame to conceal a 55" tv and its mounts and accessories. The frame to be made out of 12-18mm thick HDHMR with appropriate subframe and finished in Duco Paint/artistic paint. Item to include necessary conduiting, complete as per the satisfaction of engineer in charge.	EACH
156	FITOUT	TV FRAME 65	Provision and fixing of a sleek frame to conceal a 65" tv and its mounts and accessories. The frame to be made out of 12-18mm thick HDHMR with appropriate subframe and finished in Duco Paint/artistic paint. Item to include necessary conduiting, complete as per the satisfaction of engineer in charge.	EACH
157	FITOUT	TV FRAME 85	Provision and fixing of a sleek frame to conceal a 85" tv and its mounts and accessories. The frame to be made out of 12-18mm thick HDHMR with appropriate subframe and finished in Duco Paint/artistic paint. Item to include necessary conduiting, complete as per the satisfaction of engineer in charge.	EACH
158	FITOUT	TV FRAME 98	Provision and fixing of a sleek frame to conceal a 98" tv and its mounts and accessories. The frame to be made out of 12-18mm thick HDHMR with appropriate subframe and finished in Duco Paint/artistic paint. Item to include necessary conduiting, complete as per the satisfaction of engineer in charge.	EACH
159	FITOUT	VISITOR CHAIR	Supply and installation of factory-made visitor's chair comprising ergonomic seat and backrest with cushioned upholstery in fabric/leatherette of approved colour/shade, supported on suitable frame (metal/wood or equivalent) with appropriate finish, complete with armrests (if applicable), base supports, and all necessary fittings and accessories, ensuring required strength, comfort, and durability; design and dimensions as per approved specifications and site requirements.	EACH
160	FITOUT	VR KIOSK	Provision and fixing of a VR kiosk of size 750mm(Dia) x 750mm(H) constructed as per the design. The kiosk shall be made of HDHMR (High Density High Moisture Resistance)/Flexiply and finished with Duco paint. The kiosk should include provisions for placing VR headset on top. Dimensions may vary as per design requirements.	EACH
161	FITOUT	VR SEATING	SITC of VR chair with revolving functionality and soft cushioning, complete in all respects as per approved design and direction of Engineer-in-Charge.	EACH

162	FITOUT	WALL PAINTING	Provision and fixing of wall painting and artwork frames of varying size mounted on wall with necessary accessories. The artwork Frame glass to be 2 to 4 mm thk with fibre/metal/wood for peripheral frame. Dimensions may vary as per design requirements.	SQM
163	FITOUT	WOODEN BALUSTER	Providing & Fixing Wooden Baluster made of solid teakwood of approved quality, with overall dimensions 100 mm (W) × 825 mm (H) or as per availability and approved design. The baluster shall be accurately cut, shaped and finished as per required profile, ensuring proper alignment and uniform spacing in the railing or staircase system. The work shall include all labour for fabrication, fitting, fixing and alignment, complete with necessary wooden dowels, screws, adhesives and supports for secure installation.	EACH
164	FITOUT	WOODEN LOUVER PARTITION	Providing and fixing decorative wooden louver partition made from approved quality engineered wood / hardwood louvers, arranged vertically or horizontally as per approved design and spacing. The louvers shall be fixed on a suitable wooden/MS supporting framework with necessary brackets, fasteners and fixing accessories to ensure proper alignment and structural stability. The partition shall be finished with approved polish/laminate/PU paint as per design intent, including edge finishing, necessary backing members, and all required hardware. The scope shall include complete fabrication, supply, transportation, installation, labour, materials and accessories required to complete the work as directed by the Engineer-in-Charge. Surface area of finished partition to be measured in Sq.m for payment.	SQM

165	FITOUT	WOODEN PLATFORM 100MM	Providing and fixing of a 100mm high platform constructed with ms framework of appropriate size and thickness. The top and sides of the platform shall be covered with 19mm thick BWP (Boiling Water Proof) plyboard. The platform size will be measured in square meters (sqm). The platform should feature a smooth and even finish on all surfaces, with adequate cross-bracing and supports for stability. It should be floor-mounted with appropriate anchoring and include a non-slip surface for safety. The platform shall be finished in floor finish as per design. All materials and workmanship should comply with relevant industry standards and regulations.	SQM
166	FITOUT	WOODEN PLATFORM 300MM	Providing and fixing of a 300mm high platform constructed with ms framework of appropriate size and thickness. The top and sides of the platform shall be covered with 19mm thick BWP (Boiling Water Proof) plyboard. The platform size will be measured in square meters (sqm). The platform should feature a smooth and even finish on all surfaces, with adequate cross-bracing and supports for stability. It should be floor-mounted with appropriate anchoring and include a non-slip surface for safety. The platform shall be finished in floor finish as per design. All materials and workmanship should comply with relevant industry standards and regulations.	SQM
167	FITOUT	WOODEN RAILING	Providing & Fixing Wooden Railing made of solid teakwood of approved quality, with section size 50 mm (W) × 75 mm (H) or as per availability and approved design. The railing shall be accurately cut, shaped and finished to the required profile, ensuring proper alignment and smooth continuity along the staircase or balcony as per approved drawings. The work shall include all labour charges for fabrication, fitting and fixing, complete with necessary screws, wooden dowels, adhesives, brackets and supports for secure installation over balusters or supporting members.	RMT

168	FITOUT	WORKING DESK	Providing and installing modular working desk of size 1200mm(L) X 600mm(D) X 750mm(H), made of pre-laminated particle board / MDF board of approved make and shade, including 18 mm thick table top with 2 mm PVC edge banding, side panels, modesty panel, cable manager, keyboard tray (if required). The desk shall be complete with necessary hardware fittings, screws, brackets, and approved accessories. The item includes all cutting, edge finishing, assembling, polishing, and fixing in position as per design and direction of Engineer-in-Charge.	EACH
169	FLOORING	ALUMINIUM SKIRTING	Providing and fixing of 100mm high Aluminium Skirting as per the approved design. The cost shall be all inclusive of transportation, loading, unloading and wastage etc at site. Actual running length will be measured and paid.	RMT
170	FLOORING	FLOOR GUARD	Floor Guard - Providing laying and removing 250GSM PP Cello bubble guard floor protector protecting tile flooring and disposal of debris as directed.	SQM
171	FLOORING	FLOORING CARPET	Providing and laying imported nylon carpet tiles of approved shade and texture with anti-static properties, high-density backing, including surface preparation, adhesives, transportation, loading/unloading, and all associated works, complete as per approved design and direction of Engineer-in-	SQM
172	FLOORING	FLOORING ENGINEERED MARBLE	Providing and laying of Engineered Marble Flooring (Quartz Nano White or similar) 16mm to 18mm thk of approved colour shade in flooring and skirting & size in slabs/ bands/ strips, laid on min 12mm thick laying adhesive. The joints shall be filled with matching colour pigment, to match the shade of stone including grinding, cleaning, rubbing and polishing The cost shall be all inclusive of transportation, loading, unloading and wastage etc at site. Actual laid area will be measured and paid.	SQM
173	FLOORING	FLOORING EPOXY	Supplying and applying industrial grade micro-concrete epoxy flooring system over prepared concrete substrate, comprising thorough surface preparation by mechanical grinding/shot blasting, crack filling and surface repairs; application of epoxy primer coat; laying of polymer-modified micro-concrete/epoxy mortar layer to required thickness (minimum 3–5 mm or as specified) for surface levelling and strengthening; followed by epoxy self-levelling/top coat finish of approved shade	SQM

174	FLOORING	FLOORING GRANITE DARK	Providing and laying of Dark Shade Granite (Jet Black/ Blue pearl/ Black Galaxy or similar) flooring of 16mm to 18mm thk of approved colour shade in flooring and skirting & size in slabs/ bands/ strips, laid on min 12mm thick laying adhesive. The floor shall be uniformly levelled through cement mortar (1 cement : 4 coarse sand) screeding before applying the adhesive. The joints shall be filled with matching colour pigment, to match the shade of stone including grinding, cleaning, rubbing and diamond polishing with sealer, applying wax etc. all as per drawing. The cost shall be all inclusive of transportation, loading, unloading and wastage etc at site. Actual laid area will be measured and paid.	SQM
175	FLOORING	FLOORING GRANITE LIGHT	Providing and laying of Light Shade (Ivory White/Alaska White/ River White/ Moon White or similar) Granite of 16mm to 18mm thk of approved colour shade in flooring and skirting & size in slabs/ bands/ strips, laid on min 12mm thick laying adhesive. The floor shall be uniformly levelled through cement mortar (1 cement : 4 coarse sand) screeding before applying the adhesive. The joints shall be filled with matching colour pigment, to match the shade of stone including grinding, cleaning, rubbing and diamond polishing with sealer, applying wax etc. all as per drawing. The cost shall be all inclusive of transportation, loading, unloading and wastage etc at site. Actual laid area will be measured and paid.	SQM
176	FLOORING	FLOORING GRANITE OUTDOOR FLAMED	Providing and laying Flamed Finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building/landscape all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. The cost shall be all inclusive of transportation, loading, unloading and wastage etc at site. Actual laid area will be measured and paid.	SQM

177	FLOORING	FLOORING MARBLE INDIAN WHITE	Providing and laying of White Shade Indian Marble 16mm to 18mm thk of approved colour shade in flooring and skirting & size in slabs/ bands/ strips, laid on min 12mm thick laying adhesive. The floor shall be uniformly levelled through cement mortar (1 cement : 4 coarse sand) screeding before applying the adhesive. The joints shall be filled with matching colour pigment, to match the shade of stone including grinding, cleaning, rubbing and diamond polishing with sealer, applying wax etc. all as per drawing. The cost shall be all inclusive of transportation, loading, unloading and wastage etc at site. Actual laid area will be measured and paid.	SQM
178	FLOORING	FLOORING MARBLE ITALIAN BEIGE	Providing and laying of Beige Shade Italian Marble (Crema Marfil/ Dyna Beige/ Royal Crema or Similar) 16mm to 18mm thk of approved colour shade in flooring and skirting & size in slabs/ bands/ strips, laid on min 12mm thick laying adhesive. The floor shall be uniformly levelled through cement mortar (1 cement : 4 coarse sand) screeding before applying the adhesive. The joints shall be filled with matching colour pigment, to match the shade of stone including grinding, cleaning, rubbing and diamond polishing with sealer, applying wax etc. all as per drawing. The cost shall be all inclusive of transportation, loading, unloading and wastage etc at site. Actual laid area will be measured and paid.	SQM
179	FLOORING	FLOORING MARBLE ITALIAN DARK	Providing and laying of Dark Shade Italian Marble (Burberry Grey Marble/ Grigio Arctico/ Grey William/ Astrus or similar) 16mm to 18mm thk of approved colour shade in flooring and skirting & size in slabs/ bands/ strips, laid on min 12mm thick laying adhesive. The floor shall be uniformly levelled through cement mortar (1 cement : 4 coarse sand) screeding before applying the adhesive. The joints shall be filled with matching colour pigment, to match the shade of stone including grinding, cleaning, rubbing and diamond polishing with sealer, applying wax etc. all as per drawing. The cost shall be all inclusive of transportation, loading, unloading and wastage etc at site. Actual laid area will be measured and paid.	SQM

180	FLOORING	FLOORING MICRO CONCRETING	Providing & Applying Micro Topping Concrete Flooring decorative micro topping flooring system of average thickness 4 to 5 mm, suitable for interior floor surfaces to achieve a seamless, smooth and contemporary concrete finish. The work shall include thorough surface preparation of the existing floor, cleaning, repair of cracks and application of suitable bonding primer, followed by application of polymer-modified micro topping layers in multiple coats to achieve the specified thickness. The system shall be trowel applied and finished to obtain a uniform micro-concrete texture with high strength and durability. After curing, the surface shall be sealed with protective coats such as PU or acrylic sealer to provide abrasion resistance, stain resistance and long-lasting finish. The flooring shall be joint-free, easy to maintain and suitable for commercial or residential interiors. The scope shall include all materials, labour, tools, surface preparation, application, sealing, finishing, testing and cleaning, complete in all respects as per manufacturer's specifications, approved samples and directions of the Engineer-in-Charge.	SQM
-----	----------	---------------------------------	--	-----

181	HVAC	HVAC - DUCTABLE	Providing complete design, engineering, supply, installation, testing and commissioning of ductable type HVAC system, comprising ductable indoor units connected to compatible outdoor condensing units, suitable for air-conditioning of the designated spaces as per approved layout and design. The scope shall include heat load calculations, system design, preparation of shop drawings, equipment selection and coordination with other services. The system shall include ductable indoor units, outdoor units, insulated copper refrigerant piping, condensate drain piping, supply and return air ducting with insulation, volume control dampers, grilles, diffusers, vibration isolators, control wiring, thermostats/controllers, supports, hangers and all necessary accessories required for proper operation of the system. The work shall include installation, testing, balancing of air distribution system, refrigerant charging, commissioning and integration with electrical and control systems, complete with all materials, fittings, brackets, sealants, labour, tools and accessories required to make the system fully functional as per approved drawings and directions of the Engineer-in-Charge. Capacity of installed system measured in TR (Tonnage of Refrigeration) for payment.	TR
-----	------	--------------------	--	----

182	HVAC	HVAC - VRV/VRF	Providing complete design, engineering, supply, installation, testing and commissioning of VRV/VRF based HVAC system, comprising a mix of ceiling cassette type indoor units and high wall split type indoor units, connected to compatible VRV/VRF outdoor units, suitable for air-conditioning of the designated spaces as per approved layout and design. The scope shall include heat load calculations, system design, equipment selection and coordination with other services. The system shall include outdoor units, indoor cassette units, wall mounted split units, insulated copper refrigerant piping, branch selectors/refnet joints, drain piping, control wiring, central/individual controllers, vibration isolators, supports, insulation, and all necessary accessories required for proper functioning. The work shall include installation, testing, refrigerant charging, balancing, commissioning and integration with electrical and control systems, complete with all materials, fittings, brackets, sealants, labour, tools and accessories required to make the system fully operational as per approved drawings and directions of the Engineer-in-Charge. Capacity of installed system measured in TR (Tonnage of Refrigeration) for payment.	TR
183	INTERNET SUPPLY	BROADBAND INTERNET	Supply and provision of broadband internet connectivity through reputed Indian ISP with minimum bandwidth of 50 Mbps (or higher as required), including installation, modem/router, cabling, configuration, and all recurring charges for the specified contract period, complete in all respects. Qty to be measure per connection per on annual basis.	PER YEAR
184	LIGHTING	COB LED DOWN LIGHTER 10W	Supply, Installation, Testing & Commissioning of LED Downlight Luminaire with Electronic Driver, complete with high-efficiency LED module suitable for recessed ceiling mounting. The luminaire shall operate on 230 V, 50 Hz AC supply with system wattage of 10 W, minimum luminous efficacy as per applicable standards, and specified CCT as required.	EACH
185	LIGHTING	COB LED DOWN LIGHTER 6W	Supply, Installation, Testing & Commissioning of LED Downlight Luminaire with Electronic Driver, complete with high-efficiency LED module suitable for recessed ceiling mounting. The luminaire shall operate on 230 V, 50 Hz AC supply with system wattage of 6 W, minimum luminous efficacy as per applicable standards, and specified CCT as required.	EACH

186	LIGHTING	COVE LIGHT	Supply, Installation, Testing & Commissioning of a high-performance, professional-grade flexible LED strip light system designed for architectural cove and accent applications.	RMT
187	LIGHTING	LED BATTENS	Providing, fabricating, supplying and installing custom-length linear LED batten light fixture fabricated with 50 mm wide front light-emitting surface fitted with opal/frosted polycarbonate diffuser for uniform illumination; complete with high-efficiency LED strip/module of required wattage and colour temperature, integral/remote electronic driver, end caps, internal wiring and necessary mounting hardware. Item to include cutting to required lengths, suspension/bracket/surface mounting arrangement as specified, interconnections, alignment, testing, commissioning, protection of adjacent finishes, labour, materials, wastage and complete installation as per approved drawings and instructions of Engineer-in-Charge.	RMT
188	LIGHTING	LED SURFACE MOUNTED DOWNLIGHTER	Supply, Installation, Testing & Commissioning of a high-performance, surface-mounted LED cleanroom luminaire. The fixture shall operate at a rated power consumption of 20W.	EACH
189	LIGHTING	LIGHTING TRACK 1M	Supply, Installation, Testing & Commissioning of a 1-circuit (single phase) electrified surface-mounted track system designed for architectural spotlighting. The track shall have a nominal length of 1000 mm and be constructed from high-quality extruded aluminum for superior structural rigidity and electrical safety. It must be rated for an input voltage of 220–240V at 50/60 Hz and designed to support a variety of compatible track-mounted LED projectors.	EACH
190	LIGHTING	LIGHTING TRACK 2M	Supply, Installation, Testing & Commissioning of a 1-circuit (single phase) electrified surface-mounted track system designed for architectural spotlighting. The track shall have a nominal length of 2000 mm and be constructed from high-quality extruded aluminum for superior structural rigidity and electrical safety. It must be rated for an input voltage of 220–240V at 50/60 Hz and designed to support a variety of compatible track-mounted LED projectors.	EACH

191	LIGHTING	LIGHTING WORKS	Providing complete architectural and display lighting solution for museum spaces including supply, installation, testing and commissioning of recessed LED downlights, flexible LED strip lights for cove/accent lighting, custom-fabricated linear LED batten fixtures, surface-mounted LED luminaires, electrified track lighting system (1-circuit) with associated track lengths (1m & 2m), and compatible LED track-mounted spotlights. The scope shall include all luminaires with high-efficiency LED modules, electronic drivers, diffusers, accessories, and mounting arrangements (recessed/surface/suspended), complete with cutting, fabrication, alignment, interconnections, and integration as per approved lighting design. The work shall also include wiring from nearest junction points, termination, fixing of tracks and fixtures, aiming and focusing of spotlights for exhibits, provision of required colour temperature (CCT) and illumination levels, testing, commissioning, and handing over of a fully functional lighting system. All materials, labour, tools, tackles, supports, incidentals, protection of adjacent finishes, and any ancillary works required to complete the installation in all respects as per drawings and instructions of Engineer-in-Charge shall be included.	SQM
192	LIGHTING	SPOT LIGHT	Supply, Installation, Testing & Commissioning of a high-performance, track-mounted LED spotlight designed for precision accent lighting. The fixture shall operate at a rated power consumption of 10W	EACH
193	MANPOWER	2D ANIMATOR / MOTION GRAPHICS ARTIST	Provision of services of a 2D Animator / Motion Graphics Artist responsible for creating animated infographics, explainer videos, title sequences, visual transitions, and motion-based UI elements for digital exhibits and campaign media.	HOURS
194	MANPOWER	3D ARTIST / ANIMATOR (JUNIOR)	Provision of services of a Junior 3D Artist responsible for asset modelling, rigging, texturing, and basic animation tasks under the direction of senior artists, including asset optimisation for real-time deployment.	HOURS
195	MANPOWER	3D ARTIST / ANIMATOR (SENIOR)	Provision of services of a Senior 3D Artist responsible for high-quality asset creation including character models, architectural visualisations, environmental scenes, complex animations, and real-time rendering assets for immersive experiences and holographic content.	HOURS

196	MANPOWER	AI/ML ENGINEER (JUNIOR)	Provision of services of a Junior AI/ML Engineer responsible for data preprocessing, model training experiments, evaluation metric computation, API integration of AI models, and implementation of defined AI modules under the direction of senior AI/ML engineers.	HOURS
197	MANPOWER	AI/ML ENGINEER (SENIOR)	Provision of services of a Senior AI/ML Engineer responsible for development, training, evaluation, and deployment of machine learning models including NLP pipelines, LLM integrations, RAG frameworks, computer vision modules, and predictive analytics systems integrated with application back-ends.	HOURS
198	MANPOWER	AI/ML LEAD	Provision of services of an AI/ML Lead responsible for defining the AI/ML architecture and strategy across the project, overseeing model development and deployment, conducting technical reviews, and guiding the AI/ML team on LLM integration, RAG pipelines, computer vision systems, and production-grade AI deployment.	HOURS
199	MANPOWER	AV MEDIA PROGRAMMER	The AV Media Programmer shall be responsible for development, integration, and programming of audio-visual content across digital platforms, immersive installations, and display systems. This includes synchronizing video, audio, lighting, and interactive elements, configuring media servers, ensuring seamless playback, and optimizing performance across hardware systems in line with project requirements.	HOURS
200	MANPOWER	AV SYSTEMS DESIGNER	Provision of services of an AV Systems Designer responsible for designing complete audio-visual system architectures including signal flow diagrams, equipment selection, rack layouts, cable schedules, and commissioning plans for museum, experience centre, and event installations.	HOURS
201	MANPOWER	AV TECHNICIAN (JUNIOR)	Provision of services of a Junior AV Technician responsible for hardware mounting, cable runs, basic equipment setup, and first-line support under the supervision of senior AV technical staff.	HOURS
202	MANPOWER	AV TECHNICIAN (SENIOR)	Provision of services of a Senior AV Technician responsible for rack building, complex system wiring, equipment configuration, commissioning, and technical quality verification across all audio-visual installations.	HOURS
203	MANPOWER	BACK-END DEVELOPER (JUNIOR)	Provision of services of a Junior Back-End Developer responsible for implementing defined server-side modules, writing unit tests, supporting database operations, and maintaining API endpoints under the guidance of senior developers.	HOURS

204	MANPOWER	BACK-END DEVELOPER (SENIOR)	Provision of services of a Senior Back-End Developer responsible for designing and building server-side application logic, RESTful and GraphQL APIs, database architecture, authentication systems, and integration middleware for all project software platforms.	HOURS
205	MANPOWER	BUSINESS ANALYST	The Business Analyst shall be responsible for requirement elicitation, stakeholder consultations, and preparation of functional documentation including BRD/FRS, use cases, and process flows (As-Is/To-Be). The resource will act as a bridge between client departments and technical teams, ensuring alignment of business needs with system design, supporting solution finalization, UAT, and implementation. The role includes coordination with senior officials, preparation of reports and presentations, and ensuring timely delivery of project outputs in line with defined standards.	HOURS
206	MANPOWER	CHIEF TECHNOLOGY OFFICER / TECHNICAL LEAD	Provision of services of a Technical Lead / CTO-level resource responsible for overall technical strategy, architecture sign-off, technology stack decisions, integration planning, and technical quality governance across all software and systems deliverables.	HOURS
207	MANPOWER	COMMERCIAL & CONTRACTS EXECUTIVE	Provision of services of a Commercial and Contracts Executive responsible for contract administration, variation order management, invoice processing, financial tracking, and maintenance of all commercial records throughout the project lifecycle.	HOURS
208	MANPOWER	COMPUTER VISION ENGINEER	Provision of services of a Computer Vision Engineer responsible for developing image and video analysis systems including object detection, facial recognition, content moderation, OCR, and real-time vision-based interaction modules for deployment on cloud and edge hardware.	HOURS
209	MANPOWER	CONTENT CURATOR	The Content Curator shall be responsible for organizing, structuring, and refining content into coherent and engaging formats aligned with project objectives. This includes selection, editing, and contextual presentation of content across mediums, ensuring consistency in messaging, tone, and quality, while aligning with branding guidelines and target audience requirements.	HOURS

210	MANPOWER	CONTENT LEAD / SENIOR SCRIPTWRITER	Provision of services of a Content Lead responsible for overseeing content strategy, narrative development, editorial quality, and multilingual content workflows across exhibits, portals, audio guides, and AV productions. The resource shall review and approve all content deliverables before client submission.	HOURS
211	MANPOWER	CONTENT RESEARCHER	The Content Researcher shall be responsible for conducting in-depth research from credible sources, gathering and validating data, and synthesizing information relevant to project themes. The role includes identifying narratives, trends, and insights, supporting content development teams with structured inputs, fact-checking, and ensuring accuracy, relevance, and contextual alignment of all content outputs.	HOURS
212	MANPOWER	CONTENT STRATEGIST/ CREATIVE DIRECTOR	The Content Strategist/Creative Director shall be responsible for defining the overall content vision, creative direction, and storytelling approach for the project. This includes developing content strategies, key messaging frameworks, thematic concepts, and ensuring alignment across all content formats. The role involves supervising creative outputs, guiding content teams, ensuring consistency in narrative, design, and user experience, and aligning deliverables with project objectives and stakeholder expectations.	HOURS
213	MANPOWER	Customer Support & Helpdesk Executive	First-level support for schools, ticket logging, issue tracking, coordination with technical teams for resolution, maintaining support logs and user communication.	MONTH
214	MANPOWER	CYBER SECURITY ANALYST	Provision of services of a Cyber Security Analyst responsible for vulnerability assessments, penetration testing, security audit coordination, and implementation of remediation measures ensuring compliance with CERT-In, OWASP, and applicable government cyber security norms.	HOURS
215	MANPOWER	DATA ANALYST / BI DEVELOPER	Provision of services of a Data Analyst / BI Developer responsible for developing dashboards, reports, and data visualisations for operational monitoring, campaign analytics, and governance reporting from multiple government and operational data sources.	HOURS
216	MANPOWER	DATA ENGINEER	Provision of services of a Data Engineer responsible for building data ingestion pipelines, ETL workflows, API integrations, and database schemas for analytics and reporting platforms, ensuring data quality, availability, and security.	HOURS

217	MANPOWER	DATABASE ADMINISTRATOR	Provision of services of a Database Administrator responsible for database design, query optimisation, indexing, backup and recovery planning, performance tuning, and security hardening for all relational and non-relational databases used across project platforms.	HOURS
218	MANPOWER	DELIVERY COORDINATOR	Provision of services of a Delivery Coordinator responsible for managing day-to-day task tracking, inter-team communication, meeting scheduling, vendor follow-ups, and operational support to ensure smooth project execution at the ground level.	HOURS
219	MANPOWER	DEVOPS ENGINEER (JUNIOR)	Provision of services of a Junior DevOps Engineer responsible for maintaining deployment pipelines, monitoring system health, managing environment configurations, executing routine infrastructure tasks, and supporting senior DevOps operations.	HOURS
220	MANPOWER	DEVOPS ENGINEER (SENIOR)	Provision of services of a Senior DevOps Engineer responsible for CI/CD pipeline design and management, cloud infrastructure provisioning, container orchestration, infrastructure-as-code, security hardening, and establishing deployment and monitoring frameworks for all hosted platforms.	HOURS
221	MANPOWER	DOCUMENTATION & COMPLIANCE SPECIALIST	Provision of services of a Documentation and Compliance Specialist responsible for preparing and maintaining all contractual documentation including technical manuals, as-built records, handover packages, SLA reports, and statutory compliance submissions.	HOURS
222	MANPOWER	ELECTRICAL TECHNICIAN	Provision of services of an Electrical Technician responsible for power distribution, conduit laying, earthing, DB wiring, and electrical connections for all installed systems in accordance with approved electrical drawings and safety standards.	HOURS
223	MANPOWER	EXPERIENCE DESIGNER / MUSEOGRAPHER	Provision of services of an Experience Designer responsible for conceptualising visitor journeys, narrative frameworks, exhibit layouts, and interactive experience flows. The resource shall develop interpretive plans, storyboards, and design briefs in coordination with content, technology, and fabrication teams.	HOURS
224	MANPOWER	FRONT-END DEVELOPER (JUNIOR)	Provision of services of a Junior Front-End Developer responsible for implementing UI components, integrating APIs, and developing front-end features under the guidance of senior developers and the tech lead.	HOURS

225	MANPOWER	FRONT-END DEVELOPER (SENIOR)	Provision of services of a Senior Front-End Developer proficient in modern JavaScript frameworks, responsible for building complex, responsive, accessible, and high-performance user interfaces for web and kiosk applications, including CMS integrations and multilingual rendering.	HOURS
226	MANPOWER	FULL STACK DEVELOPER	Provision of services of a Full Stack Developer capable of working across both front-end and back-end layers, responsible for feature development, API integration, end-to-end module implementation, and cross-functional support as required by project needs.	HOURS
227	MANPOWER	GIS SPECIALIST	Provision of services of a GIS Specialist responsible for spatial data processing, map layer development, geospatial analysis, and integration of GIS outputs into web-based dashboards and citizen-facing platforms.	HOURS
228	MANPOWER	GRAPHIC DESIGNER (JUNIOR)	Provision of services of a Junior Graphic Designer responsible for production-level design tasks including layout execution, image editing, file preparation, and asset organisation under the direction of the senior designer.	HOURS
229	MANPOWER	GRAPHIC DESIGNER (SENIOR)	Provision of services of a Senior Graphic Designer responsible for conceptualising and producing high-quality visual assets including exhibition graphics, large-format print artwork, digital signage layouts, and brand-consistent design collaterals.	HOURS
230	MANPOWER	HELPDESK EXECUTIVE	Provision of services of a Helpdesk Executive responsible for receiving support requests, logging tickets, providing first-level guidance to end users, escalating unresolved issues, and maintaining SLA-tracked resolution records.	HOURS
231	MANPOWER	INFRASTRUCTURE ARCHITECT	Provision of services of an Infrastructure Architect responsible for designing cloud and on-premises infrastructure including server topology, network architecture, storage, security layers, disaster recovery provisions, and deployment pipeline configurations.	HOURS
232	MANPOWER	INSTALLATION SPECIALIST	Provision of services of an Installation Specialist responsible for precision installation and integration of complex hardware assemblies including media servers, projection rigs, interactive kiosks, display walls, sensor arrays, and custom fabricated structures as per approved engineering drawings.	HOURS

233	MANPOWER	INSTALLATION TECHNICIAN	Provision of services of an Installation Technician responsible for physical mounting, cable management, hardware assembly, and basic device configuration for all equipment installations under the direction of the Installation Specialist.	HOURS
234	MANPOWER	MIS & Reporting Analyst	Preparation of project progress reports, SLA performance tracking, dashboard reporting, inventory monitoring, and documentation support.	MONTH
235	MANPOWER	MOBILE APP DEVELOPER (ANDROID)	Provision of services of an Android Mobile Developer responsible for native Android application development, device compatibility testing, API integration, performance optimisation, and deployment to Google Play Store as per project requirements.	HOURS
236	MANPOWER	MOBILE APP DEVELOPER (IOS)	Provision of services of an iOS Mobile Developer responsible for native iOS application development, Apple Human Interface Guideline compliance, API integration, performance optimisation, and App Store submission and deployment.	HOURS
237	MANPOWER	NETWORK ENGINEER (JUNIOR)	Provision of services of a Junior Network Engineer responsible for cable termination, switch configuration, IP assignment, network testing, and day-to-day network support under the direction of the senior network engineer.	HOURS
238	MANPOWER	NETWORK ENGINEER (SENIOR)	Provision of services of a Senior Network Engineer responsible for designing and deploying LAN/WAN infrastructure, structured cabling, wireless systems, firewall configuration, VPN setup, and network performance optimisation for project installations.	HOURS
239	MANPOWER	NLP SPECIALIST	Provision of services of an NLP Specialist responsible for development and fine-tuning of natural language processing components including multilingual text classification, named entity recognition, semantic search, question-answering systems, and conversational AI pipelines across Indian and international languages.	HOURS
240	MANPOWER	OPERATIONS ENGINEER (JUNIOR)	Provision of services of a Junior Operations Engineer responsible for daily system checks, first-line fault diagnosis, routine maintenance tasks, incident logging, and support to senior operations staff.	HOURS
241	MANPOWER	OPERATIONS ENGINEER (SENIOR)	Provision of services of a Senior Operations Engineer responsible for system health monitoring, incident management, preventive maintenance scheduling, SLA compliance oversight, and escalation management during the operations and maintenance phase.	HOURS

242	MANPOWER	PHOTOGRAPHER / VIDEOGRAPHER	Provision of services of a Photographer / Videographer for on-site and studio-based media production including drone shoots, event coverage, exhibit documentation, and raw asset capture for content development workflows.	HOURS
243	MANPOWER	PROCUREMENT MANAGER	Provision of services of a Procurement Manager responsible for vendor identification, technical evaluation, purchase order issuance, delivery tracking, and quality verification for all hardware and third-party software procurement, ensuring compliance with applicable government procurement norms.	HOURS
244	MANPOWER	PROGRAMME DIRECTOR	Provision of services of a Programme Director responsible for strategic oversight, contractual governance, senior client relationship management, and overall delivery accountability across the full project lifecycle. The resource shall serve as the primary escalation authority and ensure alignment of all workstreams with approved scope, budget, and schedule.	HOURS
245	MANPOWER	PROJECT MANAGER (JUNIOR)	Provision of services of a Junior Project Manager to assist in tracking deliverables, training to end user/staff & coordinating team activities, maintaining project documentation, and supporting senior project management functions across one or more workstreams.	MONTH
246	MANPOWER	PROJECT MANAGER (SENIOR)	Provision of services of a Senior Project Manager responsible for end-to-end project planning, schedule control, risk and issue management, stakeholder reporting, training to end user/staff and cross-functional team coordination. The resource shall maintain detailed project plans, MOM records, and milestone dashboards, and shall be accountable for on-time, within-budget delivery.	MONTH
247	MANPOWER	PROJECTION MAPPING SPECIALIST	Provision of services of a Projection Mapping Specialist responsible for projector alignment, geometric warping, edge blending, content calibration, and media server configuration for single and multi-projector installations on architectural surfaces.	HOURS
248	MANPOWER	QA ENGINEER (JUNIOR)	Provision of services of a Junior QA Engineer responsible for manual test case execution, defect logging, regression testing, and UAT support under the direction of the senior QA engineer.	HOURS
249	MANPOWER	QA ENGINEER (SENIOR)	Provision of services of a Senior QA Engineer responsible for test strategy definition, test plan preparation, automation framework setup, performance testing, security testing coordination, and UAT management for all software deliverables.	HOURS

250	MANPOWER	QUALITY ASSURANCE MANAGER	Provision of services of a Quality Assurance Manager responsible for establishing QA processes, conducting milestone quality audits, managing non-conformance reports, and preparing quality compliance documentation for all project deliverables.	HOURS
251	MANPOWER	SCRIPTWRITER / CONTENT WRITER	Provision of services of a Scriptwriter / Content Writer responsible for researching and writing scripts, exhibit text panels, web content, audio narratives, and video scripts in English and Hindi, with adaptability for translation into additional Indian languages.	HOURS
252	MANPOWER	SHOW PROGRAMMER / CONTROL SYSTEMS SPECIALIST	Provision of services of a Show Programmer responsible for programming show control systems, cue sequencing, lighting and audio timeline programming, and integration of control systems including DMX, MIDI, and ArtNet-based hardware.	HOURS
253	MANPOWER	SITE ENGINEER (ON- SITE)	Provision of a qualified site engineer responsible for day-to-day operations, training to end users/staff, preventive and corrective maintenance, and smooth functioning of all hardware, software, AV, and network systems deployed at site. The engineer shall handle basic troubleshooting, routine system checks, coordination with central/OEM support teams, and ensure maximum uptime and uninterrupted usage of all installed solutions.	MONTH
254	MANPOWER	SITE MANAGER	Provision of services of a Site Manager responsible for overall on-site coordination, contractor management, material tracking, schedule adherence, quality inspections, and health and safety compliance across the installation site.	HOURS
255	MANPOWER	SITE SUPERVISOR	Provision of services of a Site Supervisor responsible for day-to-day supervision of installation activities, sub-contractor coordination, daily progress reporting, and escalation of site issues to the Site Manager.	HOURS
256	MANPOWER	SOLUTION ARCHITECT	Provision of services of a Solution Architect responsible for designing end-to-end system architectures covering software, AV, network, and data layers. The resource shall produce system design documents, integration blueprints, and shall review all technical deliverables for architectural compliance and scalability.	HOURS

257	MANPOWER	SOUND DESIGNER/MUSIC COMPOSER	The Sound Designer/Music Composer shall be responsible for creating and integrating original soundscapes, background scores, and audio elements for audio-visual and experiential content. This includes sound design, music composition, audio editing, mixing, and mastering, ensuring high-quality output that enhances storytelling, emotional impact, and overall audience engagement in line with project requirements.	HOURS
258	MANPOWER	STORYBOARD ARTIST	The Storyboard Artist shall be responsible for visualizing scripts into detailed frame-by-frame storyboards, including scene composition, transitions, camera angles, and visual cues. The role includes translating narratives into visual sequences to guide production, ensuring clarity of storytelling, alignment with creative direction, and ease of execution for production teams.	HOURS
259	MANPOWER	TECH LEAD	Provision of services of a Tech Lead responsible for leading the software development team, conducting code reviews, enforcing coding standards, driving technical decision-making at sprint level, mentoring junior developers, and ensuring the technical quality and performance of all software deliverables.	HOURS
260	MANPOWER	TRAINER / TECHNICAL INSTRUCTOR	Provision of services of a Trainer / Technical Instructor responsible for conducting structured training sessions on installed systems and developed software, preparing user manuals and SOPs, and ensuring operational readiness of client personnel.	HOURS
261	MANPOWER	TRAINING LEAD	Provision of services of a Training Lead responsible for designing training programmes, preparing curriculum and training materials, and overseeing all knowledge transfer activities for client-designated administrators, operators, and end users.	HOURS
262	MANPOWER	TRANSLATOR / MULTILINGUAL CONTENT SPECIALIST	Provision of services of a Multilingual Content Specialist responsible for translation, localisation, and cultural adaptation of all project content across approved Indian languages, ensuring linguistic accuracy and contextual appropriateness.	HOURS
263	MANPOWER	UI DESIGNER (JUNIOR)	Provision of services of a Junior UI Designer responsible for producing screen layouts, icons, and visual assets under the direction of the senior designer, and maintaining design consistency across all digital touchpoints.	HOURS
264	MANPOWER	UI DESIGNER (SENIOR)	Provision of services of a Senior UI Designer responsible for defining design systems, visual language, component libraries, and high-fidelity interface designs for web, mobile, and kiosk applications across the project.	HOURS

265	MANPOWER	UNITY DEVELOPER (JUNIOR)	Provision of services of a Junior Unity Developer responsible for implementing defined game mechanics, 3D scene assembly, UI integration within Unity, scripting, and asset integration under the direction of senior Unity developers.	HOURS
266	MANPOWER	UNITY DEVELOPER (SENIOR)	Provision of services of a Senior Unity Developer responsible for developing real-time 3D interactive applications, AR/VR experiences, immersive simulations, and game-based installations using the Unity engine. The resource shall handle scene architecture, performance optimisation, shader programming, physics systems, and integration with external hardware inputs.	HOURS
267	MANPOWER	UNREAL ENGINE DEVELOPER	Provision of services of an Unreal Engine Developer responsible for developing high-fidelity real-time 3D environments, cinematic visualisations, and interactive immersive experiences using Unreal Engine, including blueprint scripting, material development, lighting, and performance optimisation for deployment on installation hardware.	HOURS
268	MANPOWER	UX RESEARCHER / INTERACTION DESIGNER	Provision of services of a UX Researcher / Interaction Designer responsible for user research, persona development, journey mapping, wireframing, prototyping, and usability testing to ensure interfaces are intuitive and meet user needs.	HOURS
269	MANPOWER	VIDEO EDITOR (JUNIOR)	Provision of services of a Junior Video Editor responsible for rough cut assembly, clip organisation, basic colour correction, subtitle integration, and export of media assets under the direction of the senior editor.	HOURS
270	MANPOWER	VIDEO EDITOR (SENIOR)	Provision of services of a Senior Video Editor responsible for editing complex multi-camera productions, colour grading, audio design, visual effects compositing, and final delivery of exhibit films, documentaries, and promotional content.	HOURS
271	MANPOWER	VOICEOVER ARTIST	The Voiceover Artist shall be responsible for recording high-quality voiceovers as per approved scripts, tone, and language requirements. The scope includes modulation, diction, and delivery aligned with the narrative style, along with multiple takes and revisions to ensure clarity, engagement, and synchronization with audio-visual content.	HOURS

272	MANPOWER	VR / AR CONTENT INTEGRATOR	Provision of services of a VR/AR Content Integrator responsible for deploying VR and AR content packages onto target hardware, conducting device calibration, testing interaction flows, optimising performance, and ensuring stable operation on headsets and AR-capable devices.	HOURS
273	NETWORKING	ACCESS POINT	Supply, Installation, Testing & Commissioning of Indoor Wireless Access Point, dual-band access point supporting IEEE wireless standards including eleven a/b/g/n/ac/ax, delivering aggregate data throughput up to 1.7 Gbps, with dual spatial streams, integrated adaptive antenna technology, and one Gigabit Ethernet uplink port with PoE support. The access point shall support multiple SSIDs, advanced security protocols, centralized management compatibility, and seamless roaming features. The work shall include mounting, configuration, integration with existing network infrastructure, testing and commissioning, complete as required.	EACH
274	NETWORKING	APLIC	Supply, Installation, Testing & Commissioning of License for Access Point	EACH
275	NETWORKING	CAT CORD 1M	Supply, Installation, Testing & Commissioning of 1 meter CAT6 Copper Patch Cord, factory terminated with RJ type connectors at both ends. The patch cord shall be suitable for high-speed data networking applications	EACH
276	NETWORKING	CAT CORD 3M	Supply, Installation, Testing & Commissioning of 3 meter CAT6 Copper Patch Cord, factory terminated with RJ type connectors at both ends. The patch cord shall be suitable for high-speed data networking applications	EACH
277	NETWORKING	CAT IO	Supply, Installation, Testing & Commissioning of CAT IO with Single Face Plate and Back Box, suitable for structured cabling system, comprising RJ type outlet, compatible single face plate and matching back box.	EACH
278	NETWORKING	CAT PATCH PANEL	Supply, Installation, Testing & Commissioning of CAT6 Copper Loaded Patch Panel, suitable for structured cabling system, comprising factory-loaded modular RJ type ports, mounted on standard rack-mountable chassis.	EACH
279	NETWORKING	CAT6 UPT CABLE	Supply, Installation, Testing & Commissioning of CAT6 UTP Cable. The cable shall be suitable for high-speed data, voice and networking applications	RMT
280	NETWORKING	NETWORKING DEVICE FOR SCHOOL LAB	Supply, installation, and configuration of router with 6.5 Gbps Speed 2.5G WAN LAN + 1G LAN USB 3.0 6 Antennas with required Ethernet Cables (5 meter) and RJ45 Connector, along with unmanaged switch, ethernet cable, RJ 45 ports etc	EACH

281	NETWORKING	NETWORKING WORKS	Providing complete structured cabling and networking solution including supply, installation, testing and commissioning of indoor wireless access points (Wi-Fi 6 compliant), necessary user licenses, routers, managed PoE and non-PoE network switches (Layer 2/Layer 3), CAT6 UTP cabling, patch panels, I/O outlets with faceplates and back boxes, and CAT6 patch cords of required lengths, including all passive and active components. The scope shall include routing and laying of cables, termination, dressing, labeling, configuration, integration with existing network infrastructure, enabling seamless roaming, SSID configuration, security setup, centralized management, testing, and commissioning of the complete system. The work shall also include all necessary accessories, mounting hardware, supports, conduits/trays (if required), and any incidental items required to complete the installation in all respects as per site conditions and specifications.	SQM
282	NETWORKING	NETWORKING WORKS PROJECTION SHOW	Supply, Installation, Testing & Commissioning of complete networking infrastructure including configuration and deployment of network systems, routers, and switches as required for seamless connectivity. The scope covers establishing reliable connections to servers, integration of projectors using HDMI, RX/TX over LAN for efficient signal transmission, and implementation of optical networking components wherever required. The system will be designed, installed, and tested to ensure optimal performance, scalability, and stable communication across all connected devices.	SQM
283	NETWORKING	ROUTER	Supply, Installation, Testing and Commissioning of router with 7x Gigabit Ethernet ports, 10G SFP+, Powerful quad-core CPU, 1 GB DDR4 RAM	EACH
284	NETWORKING	SW12POE	Supplying, Installation, testing & commissioning of managed network switch, compact fanless design, equipped with 12 × 10/100/1000 Mbps PoE/PoE+ copper ports with PoE budget up to 124W, and 2 × 1G SFP uplink ports, supporting non-blocking architecture with up to 28 Gbps switching capacity and wire-speed performance.	EACH
285	NETWORKING	SW24	Supplying, Installation, testing & commissioning of managed Layer 2/Layer 3 access switch with 24 × 10/100/1000 Mbps RJ-45 Ethernet ports and 4 × 1/10GbE SFP/SFP+ uplink ports, supporting non-blocking architecture with high switching capacity and wire-speed performance	EACH

286	PA SYSTEM	PUBLIC ADDRESS SYSTEM	Providing complete design, supply, installation, testing and commissioning of Public Address (PA) system for the designated area, comprising ceiling/wall mounted speakers, amplifiers, microphone units, audio mixer, control rack, cabling, connectors and associated accessories required for clear and uniform sound coverage across the space. The scope shall include system design, speaker layout planning, supply of equipment, installation of speakers and control equipment, cabling, mounting hardware, testing, balancing of audio levels and commissioning. The work shall also include necessary conduits/trunking, connectors, power supply arrangements, integration with other AV systems (if required), labour, tools and accessories to make the system fully functional as per approved specifications and directions of the Engineer-in-Charge.	SQM
287	SERVICE	EVENT MANAGEMENT	End-to-end management and coordination of experiential events including planning oversight, vendor and agency management for immersive and tech-enabled exhibits, supervision of AV and digital integrations, manpower and on-ground operations management, logistics and compliance coordination, real-time event execution, and oversight of dismantling and site restoration—ensuring timely delivery and quality standards.	SQM
288	SERVICE	INSTALLATION SYSTEM INTEGRATION & CALIBRATION	End-to-end installation, integration, testing, and calibration of hardware and software systems within school environments, including device setup, connectivity establishment, synchronization of interactive components, operational testing, performance optimization, and commissioning for seamless educational usage.	EACH
289	SERVICE	OCR SCANNING	Professional OCR (Optical Character Recognition) scanning and digitization services for conversion of physical documents, manuscripts, reports, records, and archival material into searchable, editable, and digitally indexed formats with high-accuracy text extraction, metadata tagging, quality enhancement, and secure digital storage integration. Quantity to be measured per page per side.	EACH

290	SERVICE	PROFESSIONAL VOICEOVER	End-to-end professional voiceover recording services for multilingual immersive and experiential content, including script narration, studio-quality audio recording, voice artist engagement, sound processing, synchronization, editing, mastering, and delivery in required formats for exhibitions, museums, films, digital experiences, and interactive installations.	MIN
291	SERVICE	SURVEYING	Providing, carrying out, and completing surveying works using approved instruments (Total Station/Auto Level/GPS as required) for setting out, levels, alignment, and measurements as per project requirements. The scope includes establishing benchmarks, grid layout, marking reference points, recording coordinates/levels, preparation of survey drawings, and submission of reports, complete with all necessary calculations and documentation. The item includes all labour, instruments, accessories, transportation, data processing, and reporting, executed as per approved drawings and directions of the Engineer-in-Charge, complete in all respects.	SQM
292	SERVICE	SYSTEM CONFIGURATION, SYNCHRONISATION AND TESTING	One-time on-site configuration, synchronization, testing, and calibration of all hardware, AV, lighting, control systems, sensors, interactive devices, and software applications across the museum/large-area installation to ensure seamless coordinated operations and optimal performance readiness.	EACH
293	SERVICE	TEACHER TRAINING & ENABLEMENT	Providing training and operational orientation for school faculty on the usage, management, and curriculum integration of experiential learning technologies, interactive systems, and digital classroom equipment installed in the lab, as required.	PER SCHOOL
294	SERVICE	TRAINING & CAPACITY BUILDING	Provision of operational training, technical guidance, and hands-on knowledge transfer for personnel of higher education institutions, museums, and allied facilities to ensure effective system usage, administration, maintenance, and day-to-day operational management.	EACH

295	SOFTWARE	360-DEGREE ENVIRONMENT CONTROL SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade multi-channel projection and spatial audio orchestration platform for fully encapsulating immersive environments, enabling synchronised content delivery across floor, wall, and ceiling projection surfaces. The software handles geometric calibration, content scheduling, and real-time narrative sequence triggering, with integration support for motion detection, three-dimensional audio systems, and visitor-interactive elements. Quantity measured per server unit.	PER LICENSE
296	SOFTWARE	ADAPTIVE ASSESSMENT AND QUIZ PLATFORM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade curriculum-aligned evaluation engine incorporating structured question repositories mapped to NCERT and State Board syllabi. The system employs adaptive difficulty calibration, real-time performance feedback with contextual explanations, learner analytics dashboards, competitive leaderboard and gamification mechanics, and multilingual interface support for diverse student cohorts. Quantity measured per server unit.	PER LICENSE
297	SOFTWARE	ADVANCED DATA INTELLIGENCE PLATFORM	An enterprise grade comprehensive analytical software environment engineered to collect, cleanse, transform, and interrogate structured and unstructured data from heterogeneous sources, enabling stakeholders to extract actionable intelligence and support evidence-based decision-making. The system encompasses data federation, statistical computation, predictive modelling, visualisation, and interactive dashboarding, with optional AI and machine learning pipelines for automation and pattern recognition. It supports operational efficiency improvement, trend identification, and real-time analytical processing across diverse institutional applications. Quantity measured per server unit.	PER LICENSE
298	SOFTWARE	AI ART GENERATION MODULE	Text-to-image generation engine; prompt-based input interface; real-time rendering; multiple style presets (educational, artistic, conceptual); image export and sharing functionality; content moderation filters; low-latency inference support; offline fallback for basic templates. Quantity measured per server unit.	PER LICENSE

299	SOFTWARE	AI CHATBOT WITH 3D CHARACTER / HOLOBOX	Development, Installation, Integration, Testing & Commissioning of an AI-driven conversational interface integrated with a photorealistic 3D animated character or holographic projection unit. The system incorporates voice synthesis, lip-sync animation, facial detection, eye-tracking, and LLM-based dynamic response generation for immersive, character-driven interactions at public installations. Quantity to be measured per server.	PER LICENSE
300	SOFTWARE	AI CONTENT MODERATION PLATFORM	Development, Installation, Integration, Testing & Commissioning of an automated content review system employing Computer Vision and NLP models to screen user-submitted images, videos, and text against predefined compliance parameters. The platform supports configurable flagging logic, sensitivity thresholds, and integration with manual reviewer queues for high-volume, real-time moderation on citizen-facing digital portals. Quantity to be measured per server.	PER LICENSE
301	SOFTWARE	AI DOCUMENT DRAFTER	Development, Installation, Integration, Testing & Commissioning of an AI-assisted document generation system for drafting government policies, official correspondence, and administrative letters. The tool supports predefined templates, regulatory tone calibration, multilingual output across major Indian languages, and user-defined customisation of content parameters with consistent formatting. Quantity to be measured per server.	PER LICENSE
302	SOFTWARE	AI HOLOGRAM	AI HOLOGRAM Design, Supply, Installation, Integration, Testing & Commissioning of an educational holographic learning system for classroom and experiential teaching applications. The system shall support curriculum-linked 3D visualizations, animated educational content, multimedia playback, and interactive lesson sequencing through compatible holographic display devices. Scope includes API-based integration with learning modules, teacher-controlled lesson navigation interface, support for multiple media formats, synchronized content playback, real-time interaction controls, and management software for immersive student learning experiences. Quantity measured per server unit.	PER LICENSE

303	SOFTWARE	AI POWERED SOFTWARE	Development, Installation, Integration, Testing & Commissioning of an AI-powered powered software built on Large Language Models (LLMs) and Natural Language Processing (NLP). The system supports text and voice-based interaction, multi-language responses, domain-specific knowledge base integration, and Retrieval-Augmented Generation (RAG) for contextually accurate query resolution and citizen guidance. Quantity to be measured per server.	PER LICENSE
304	SOFTWARE	AR APPLICATION	Development, Installation, Integration, Testing & Commissioning of an Augmented Reality application that overlays contextual digital content — including 3D models, annotations, and interactive media — onto real-world environments as viewed through a mobile device or AR-capable hardware. The application supports marker-based and markerless AR modes with configurable content triggers linked to physical objects, spatial anchors, or QR codes, applicable to product visualisation, heritage interpretation, and citizen-facing information delivery. Quantity to be measured per server.	PER LICENSE
305	SOFTWARE	AR/VR TRAINING MODULE	Development, Installation, Integration, Testing & Commissioning of a structured interactive training system using Augmented and Virtual Reality to deliver scenario-based learning modules for sector-specific programmes including governance, security, compliance, and public administration. Each module presents realistic simulations with learner-driven decision points, performance scoring, and session reporting, with centralised content and user management across shared hardware infrastructure. Quantity to be measured per server.	PER LICENSE
306	SOFTWARE	AUDIO GUIDE SOFTWARE	Development, Installation, Integration, Testing & Commissioning of a digital audio guide system that delivers exhibit-synced narrations to visitors through kiosks, tablets, and personal mobile devices. The system supports multilingual audio tracks, curator-level content management, synchronisation with multimedia exhibits and show timelines, and usage analytics across standalone and networked deployment modes. Quantity to be measured per server.	PER LICENSE

307	SOFTWARE	AUGMENTED REALITY OVERLAY APPLICATION	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade augmented reality solution that superimposes contextual digital elements — including spatial 3D models, informational annotations, and interactive media — onto physical environments as viewed via mobile devices or AR-enabled hardware. The application supports marker-dependent and marker-free AR modes with configurable content activation linked to physical objects, spatial anchors, or QR identifiers, applicable to product visualisation, heritage interpretation, and citizen information delivery. Quantity measured per server unit.	PER LICENSE
308	SOFTWARE	AUTOMATED ASSESSMENT GENERATION SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade intelligent evaluation creation platform that formulates structured question banks and practice assessments from uploaded source materials, reference texts, and syllabus documents using NLP-driven extraction and question synthesis. The system supports multiple response formats with configurable complexity levels and subject classification, with integrated scoring and learner performance analytics. Quantity measured per server unit.	PER LICENSE
309	SOFTWARE	AUTOMATED CONTENT SCREENING PLATFORM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade intelligent content review system utilising computer vision and natural language processing models to evaluate user-submitted images, videos, and text against established compliance frameworks. The platform accommodates adjustable flagging logic, sensitivity calibration, and routing to human reviewer queues for high-throughput, real-time moderation across citizen-facing digital services. Quantity measured per server unit.	PER LICENSE
310	SOFTWARE	AUTOMATED REPORTING AND MIS PLATFORM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade management information and reporting system providing scheduled automated report generation across daily, weekly, and monthly cycles. The platform supports exportable output in PDF and spreadsheet formats, with configurable dashboard views tailored to the monitoring and review requirements of government bodies and institutional stakeholders. Quantity measured per server unit.	PER LICENSE

311	SOFTWARE	BESPOKE FUNCTIONAL MODULE	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade purpose-built software module tailored to specific departmental or operational mandates as defined by the client. The module encompasses end-to-end custom functionality including interface design, backend engineering, database architecture, API connectivity, role-based access governance, workflow automation, and reporting capabilities. Deliverables include requirements documentation, source code, deployment assistance, user acceptance testing, staff training, and post-launch maintenance through a defined warranty period. Quantity measured per server unit.	PER LICENSE
312	SOFTWARE	BI TOOL / ADMIN DASHBOARD	Development, Installation, Integration, Testing & Commissioning of a backend operations platform combining a business intelligence engine with a role-based administrative console for monitoring system health, user activity, and operational KPIs. The tool supports customisable widget-based dashboards, drill-down data views, scheduled report generation, and integration with multiple data sources including databases and third-party APIs. Quantity to be measured per server.	PER LICENSE
313	SOFTWARE	CAMPAIGN & CITIZEN ENGAGEMENT PORTAL	Development, Installation, Integration, Testing & Commissioning of a scalable digital platform for managing large-scale national campaigns, supporting citizen registration, media upload workflows, automated participation certificate generation, AI-based content moderation, and real-time reporting dashboards. The system incorporates GIS-based event mapping, multi-tier role-based access, and compliance with data protection and government digital governance norms. Quantity to be measured per server.	PER LICENSE
314	SOFTWARE	CENTRALISED POLICY KNOWLEDGE REPOSITORY	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade unified digital archive for government regulations, administrative circulars, and legislative documentation, equipped with AI-powered retrieval using retrieval-augmented generation. The system enables semantic document indexing, context-sensitive querying, automated content summarisation, role-governed access, version control, and comprehensive audit trail maintenance. Quantity measured per server unit.	PER LICENSE
315	SOFTWARE	CENTRALIZED ADMIN DASHBOARD	Unified dashboard for monitoring all deployed zones (VR, Kiosk, FutureVerse Labs); real-time system status; usage tracking across schools; role-based access control. Quantity measured per server unit.	PER LICENSE

316	SOFTWARE	CITIZEN SERVICES MOBILE APPLICATION	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade native and cross-platform mobile applications for Android and iOS ecosystems, spanning standard citizen-service interfaces to feature-rich applications incorporating AI modules, real-time data connectivity, augmented reality, and media-intensive content. Applications include provisions for offline operation, push notification delivery, secure identity authentication, and integration with government identity and payment infrastructure, compliant with MeitY e-governance standards. Quantity measured per server unit.	PER LICENSE
317	SOFTWARE	COLLABORATIVE TASK MANAGEMENT PLATFORM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade structured project and activity management environment enabling creation, delegation, prioritisation, and progress tracking of tasks across teams and organisational units. The system provides real-time progress visualisation, deadline notification, escalation workflows, and performance reporting, with integration support for workforce management and analytics platforms. Quantity measured per server unit.	PER LICENSE
318	SOFTWARE	CONTENT CREATION SOFTWARE	A comprehensive content creation software suite designed for developing, editing, and publishing multimedia content, including video, graphics, animations, and interactive assets. The platform supports editing, compositing, motion graphics, audio processing, and format conversion, with optional AI-assisted tools for automation and enhancement. It enables users to create high-quality, curriculum-aligned and multilingual digital content, suitable for training, presentations, and digital distribution across multiple platforms. Quantity to be measured per server.	PER LICENSE
319	SOFTWARE	CONTENT MANAGEMENT SYSTEM (CMS) FOR SCHOOLS	Central repository for uploading, updating, and managing VR modules, kiosk content, and FutureVerse learning assets; version control and access control. Quantity measured per server unit.	PER LICENSE
320	SOFTWARE	CONVERSATIONAL INTELLIGENCE ENGINE	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade AI-enabled dialogue platform built on large language model and natural language understanding frameworks. The solution accommodates text and speech interaction modes, multilingual output, subject-specific knowledge repository connectivity, and retrieval-augmented generation for precise, context-aware query handling and public information services. Quantity measured per server unit.	PER LICENSE

321	SOFTWARE	CONVERSATIONAL SMART MIRROR SYSTEM	Supply, Installation, Integration, Verification and Commissioning of an enterprise grade AI-enabled interactive display interface powered by a natural language processing conversational engine for real-time voice and text-based engagement through pre-configured digital personas. The solution incorporates multilingual capability, speech-to-text and text-to-speech processing, grade-appropriate contextual response generation, a customisable knowledge repository, and interaction analytics for usage monitoring and performance insights. Quantity measured per server unit.	PER LICENSE
322	SOFTWARE	CUSTOM BUILD MODULE	Development, Installation, Integration, Testing & Commissioning of a Custom Build Software Module tailored to specific departmental or operational requirements as defined by the client. The module encompasses end-to-end custom functionality including UI/UX design, backend development, database design, API integrations, role-based access control, workflow automation, and reporting dashboards. Deliverables include requirement specification documentation, source code, deployment support, user acceptance testing, training, and post-go-live maintenance for a defined warranty period. Quantity to be measured per server.	PER LICENSE
323	SOFTWARE	DATA ANALYSIS SOFTWARE	A comprehensive data analysis software platform designed to collect, clean, process, and analyze structured and unstructured data from multiple sources, enabling users to derive actionable insights and support decision-making. The system typically includes capabilities for data integration, transformation, statistical analysis, visualization, reporting, and dashboarding, with optional support for AI/ML-based predictive analytics and automation. It facilitates efficient data management, trend identification, and real-time analysis, improving operational efficiency and enabling data-driven strategies across diverse applications. Quantity to be measured per server.	PER LICENSE

324	SOFTWARE	DIGITAL VISITOR NARRATION SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade digital audio interpretation platform delivering exhibit-synchronised commentary to visitors via kiosks, tablets, and personal mobile devices. The system supports multilingual audio tracks, curator-administered content management, synchronisation with multimedia displays and show sequences, and visitor engagement analytics across standalone and networked environments. Quantity measured per server unit.	PER LICENSE
325	SOFTWARE	DOCUMENT DIGITISATION AND RECOGNITION ENGINE	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade dual-capability system combining optical character recognition for automated text extraction from scanned documents and administrative forms, with AI-based visual classification and object identification. The recognition engine supports printed and handwritten text across multiple Indian languages, with downstream integration for automated data indexing and document processing pipelines. Quantity measured per server unit.	PER LICENSE
326	SOFTWARE	DYNAMIC WEB APPLICATION PLATFORM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade live, server-driven web application engineered for real-time data processing, queue and slot orchestration, and automated content or alert delivery via messaging services including SMS and WhatsApp. The system encompasses moderation consoles, content generation pipelines, and configurable business rule engines, designed for high-concurrency, low-latency operation on cloud infrastructure with defined uptime commitments. Quantity measured per server unit.	PER LICENSE

327	SOFTWARE	EDUCATIONAL HOLOGRAPHIC VISUALISATION SYSTEM	Design, Supply, Installation, Integration, Verification and Commissioning of an enterprise grade curriculum-integrated holographic instruction platform for classroom and experiential learning environments. The system supports syllabus-linked three-dimensional visualisations, animated instructional content, multimedia playback, and interactive lesson sequencing through compatible holographic display hardware. Scope encompasses API-based connectivity with learning modules, teacher-administered lesson navigation, multi-format media compatibility, synchronised content delivery, real-time interaction controls, and a centralised management interface for immersive student engagement. Quantity measured per server unit.	PER LICENSE
328	SOFTWARE	EMERGING TECHNOLOGY LEARNING ECOSYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade integrated experiential education platform enabling students to create, explore, and innovate across converging technologies including virtual reality, augmented reality, artificial intelligence, holography, and metaverse environments. The platform provides VR authoring tools for constructing simulations and virtual spaces, AR modules for interactive three-dimensional curriculum visualisation, AI development interfaces for building conversational agents and recognition systems, holographic interaction frameworks for experiential learning, and metaverse-based environment design tools for creating smart cities and digital campuses. The system supports no-code and low-code drag-and-drop interfaces, spatial collaborative learning, real-time interaction, and group project creation, facilitating a shift from passive consumption to creation-first, skills-oriented education aligned with future-readiness objectives. Quantity measured per server unit.	PER LICENSE

329	SOFTWARE	EXHIBIT AND CONTENT OPERATIONS CENTRE	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade centralised operations and content governance platform for museums and visitor experience centres, providing comprehensive oversight of exhibit scheduling, show sequencing, content publishing, audio narration synchronisation, and real-time infrastructure health monitoring. The system enables unified management of multiple exhibit nodes from a single administrative interface with role-differentiated access for content teams and technical operators. Quantity measured per server unit.	PER LICENSE
330	SOFTWARE	FEEDBACK SOFTWARE	Development, Installation, Integration, Testing & Commissioning of a digital feedback collection system deployed on interactive touch screens, tablets, and kiosks at public installations. The system captures quantitative ratings and qualitative responses, aggregates data in real time, and generates periodic summary reports for administrators, with configurable multilingual questionnaire design and integration with centralised dashboards. Quantity to be measured per server.	PER LICENSE
331	SOFTWARE	FUTUREVERSE SOFTWARE	An integrated immersive learning platform enabling students to create, interact, and innovate using emerging technologies including Virtual Reality (VR), Augmented Reality (AR), Artificial Intelligence (AI), Holography, and Metaverse environments. The platform includes VR creation tools for building simulations and virtual environments, AR modules for interactive 3D visualization of curriculum concepts, AI development interfaces for creating chatbots, recognition systems, and smart applications, holographic interaction systems for conversational and experiential learning, and metaverse-based world-building tools for designing smart cities, campuses, and digital environments. The system supports drag-and-drop, no-code/low-code interfaces, spatial group learning, real-time interaction, and collaborative project creation, enabling a transition from passive learning to creation-first, experiential education aligned with curriculum and future-ready skill development.	PER LICENSE

332	SOFTWARE	GAMES & INTERACTIVE GAMES	Development, Installation, Integration, Testing & Commissioning of custom touch-based, gesture-controlled, and motion-interactive game experiences for deployment at exhibitions and experience centres. Games are developed for single-player and multi-player formats with configurable difficulty, scoring logic, and content theming, supporting kiosk-mode deployment with session management, leaderboards, and remote content update capabilities. Quantity to be measured per server.	PER LICENSE
333	SOFTWARE	GENERATIVE VISUAL CREATION ENGINE	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade text-driven image synthesis platform featuring a prompt-based input interface and real-time rendering pipeline. The system offers multiple stylistic output presets spanning educational, artistic, and conceptual themes, with image export and distribution functionality, integrated content moderation filters, low-latency inference architecture, and offline fallback support using pre-built templates for uninterrupted operation. Quantity to be measured per server.	PER LICENSE
334	SOFTWARE	GESTURE-RESPONSIVE EXHIBIT FRAMEWORK	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade multi-touch and motion-sensing application environment for constructing interactive visitor experiences at heritage institutions, discovery centres, and public exhibition spaces. The system supports solo and collaborative interaction modes, adaptive content pathways, peripheral and sensor trigger integration, and over-the-air content refresh capabilities for uninterrupted public deployment. Quantity measured per server unit.	PER LICENSE
335	SOFTWARE	GIS & ANALYTICS SOFTWARE	Development, Installation, Integration, Testing & Commissioning of an integrated platform combining Geographic Information System (GIS) mapping with sector-specific data analytics for governance, infrastructure, financial, and utility domains. The system enables spatial visualisation of datasets, real-time event mapping, drill-down analysis at administrative levels, and API-based data ingestion from national and state government databases. Quantity to be measured per server.	PER LICENSE

336	SOFTWARE	GOVERNMENT / GOVERNANCE WEBSITE	Development, Installation, Integration, Testing & Commissioning of a standards-compliant web platform for government departments and institutions, incorporating a Content Management System (CMS), multilingual interface, and role-based access control. The platform adheres to Government of India Web Guidelines (GIGW) and STQC certification requirements, with provisions for accessibility, sitemap management, secure hosting, and integration with third-party government APIs. Quantity to be measured per server.	PER LICENSE
337	SOFTWARE	HIGH-CONCURRENCY BROADCAST PLATFORM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade large-scale video delivery platform engineered to support high volumes of concurrent viewers for live instruction sessions, public events, and broadcast programming. The system incorporates adaptive bitrate streaming, cross-device compatibility, session governance, real-time audience engagement features, and cloud-based auto-scaling for peak-load resilience. Quantity measured per server unit.	PER LICENSE
338	SOFTWARE	HOLOGRAM SOFTWARE	Development, Installation, Integration, Testing & Commissioning of a content generation and playback control system for holographic display technologies including holoboxes, transparent mesh screens, and pepper's ghost projection setups. The software manages 3D holographic asset rendering, projection synchronisation, real-time hardware control, and integration with interactive triggers and AI-based character systems for responsive holographic experiences. Quantity to be measured per server.	PER LICENSE
339	SOFTWARE	HOLOGRAPHIC CONTENT CONTROL SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade rendering and playback management solution for holographic display technologies including holoboxes, transparent mesh screens, and pepper's ghost projection configurations. The software governs 3D holographic asset rendering, projection synchronisation, live hardware management, and integration with interactive event triggers and AI-driven persona systems for responsive holographic delivery. Quantity measured per server unit.	PER LICENSE

340	SOFTWARE	HRMS	Development, Installation, Integration, Testing & Commissioning of a Human Resource Management System covering employee attendance tracking, payroll processing, geo-tagged field staff monitoring, task assignment, and KPI-based performance evaluation. The system supports multi-role access for HR administrators, department heads, and employees, with automated reporting and compliance documentation for both office-based and field-deployed workforce management. Quantity to be measured per server.	PER LICENSE
341	SOFTWARE	IMMERSIVE ROOM SOFTWARE	Development, Installation, Integration, Testing & Commissioning of a multi-channel projection and audio control system for 360-degree immersive environments, enabling synchronised content playback across floor, wall, and ceiling projection surfaces. The software manages geometric calibration, content scheduling, and real-time triggering of narrative sequences, with integration support for motion sensors, spatial audio systems, and interactive elements. Quantity to be measured per server.	PER LICENSE
342	SOFTWARE	IMMERSIVE SCENARIO TRAINING SUITE	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade experiential learning environment leveraging augmented and virtual reality to deliver situation-based instructional modules for sector-focused curricula including public governance, security protocols, regulatory compliance, and civic administration. Each module presents true-to-life environments with learner-directed decision scenarios, competency scoring, and session analytics, supported by centralised curriculum and participant management across shared device infrastructure. Quantity to be measured per server.	PER LICENSE
343	SOFTWARE	IMMERSIVE VIRTUAL ENVIRONMENT APPLICATION	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade self-contained virtual reality application delivering fully encapsulating, first-person digital spaces for workforce training, cultural tourism, heritage exhibition experiences, and operational simulations. The application targets mainstream VR headset platforms with full support for motion controllers, three-dimensional spatial audio, and multi-path narrative structures, with content refreshable through administrative interfaces without necessitating application republishing. Quantity to be measured per server.	PER LICENSE

344	SOFTWARE	IMMERSIVE VR SIMULATOR	Development, Installation, Integration, Testing & Commissioning of a motion-synchronised Virtual Reality content and control system for simulator and vehicle-based immersive experiences, integrating Inertial Measurement Unit (IMU) and On-Board Diagnostics (OBD) sensor data to dynamically match VR content with physical movement. The system delivers real-time spatial audio and 3D visual content calibrated to the velocity, direction, and position of the host platform, engineered for continuous public-facing operation with automated failover provisions. Quantity to be measured per server.	PER LICENSE
345	SOFTWARE	INSTITUTIONAL DIGITAL ASSET MANAGEMENT SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade centralised content governance repository for uploading, refreshing, and administering virtual reality modules, kiosk content libraries, and experiential learning assets across institutional deployments. The platform incorporates version control, structured access governance, and streamlined content distribution workflows for administrators and content teams. Quantity to be measured per server.	PER LICENSE
346	SOFTWARE	INSTITUTIONAL WEB PRESENCE PLATFORM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade standards-aligned web portal for government bodies and public institutions, incorporating a content management framework, multilingual interface, and role-governed access control. The platform conforms to Government of India Web Guidelines and STQC certification requirements, with provisions for accessibility compliance, structured navigation, secure hosting, and integration with government API ecosystems. Quantity measured per server unit.	PER LICENSE

347	SOFTWARE	INTEGRATED DIGITAL PLATFORM	A comprehensive, cloud-enabled integrated digital platform designed to support end-to-end ecosystem management across stakeholders, comprising configurable modules such as user portals, dashboards, analytics engines, collaboration tools, and workflow management systems. The platform includes capabilities for user management, role-based access control, data integration, real-time monitoring, AI-enabled recommendations, reporting, and secure data storage, enabling seamless interaction, performance tracking, and decision-making. It supports scalable deployment, interoperability with existing systems, and customization to align with institutional, industry, and policy requirements, ensuring efficient implementation, transparency, and measurable outcomes across the ecosystem. Quantity to be measured per server.	PER LICENSE
348	SOFTWARE	INTELLIGENT AVATAR EXPERIENCE SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade AI-powered interactive engagement platform featuring a lifelike animated digital persona or holographic display unit. The solution incorporates neural speech synthesis, real-time lip synchronisation, facial recognition, gaze-tracking technology, and large language model-driven adaptive dialogue for compelling, persona-led engagements at public-facing venues. Quantity to be measured per server.	PER LICENSE
349	SOFTWARE	INTELLIGENT DOCUMENT AUTHORIZING TOOL	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade AI-assisted official document generation system for producing government directives, formal correspondence, and administrative communications. The tool supports structured templates, regulatory tone alignment, multilingual output across major Indian languages, and user-configurable content parameters with standardised formatting conventions. Quantity measured per server unit.	PER LICENSE

350	SOFTWARE	INTERACTIVE GAMIFICATION EXPERIENCE	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade bespoke touch-enabled, gesture-controlled, and motion-responsive game installations for deployment at exhibitions and discovery centres. Experiences are designed for individual and group play with adjustable difficulty parameters, scoring frameworks, and thematic content customisation, supporting kiosk-mode operation with session governance, competitive leaderboards, and remote content refresh capabilities. Quantity measured per server unit.	PER LICENSE
351	SOFTWARE	INTERACTIVE QUIZ ENGINE	Curriculum-aligned question bank (NCERT/State Board); adaptive difficulty algorithm; real-time feedback with explanations; student performance analytics dashboard; leaderboard and gamification features; multi-language support. Quantity to be measured per server.	PER LICENSE
352	SOFTWARE	INTERACTIVE SOFTWARE	Development, Installation, Integration, Testing & Commissioning of a multi-touch and gesture-responsive application framework for building interactive exhibit experiences at museums, experience centres, and public galleries. The software supports single and multi-user interaction modes, content branching, sensor and hardware trigger integration, and remote content update capabilities for continuous public-facing operation. Quantity to be measured per server.	PER LICENSE
353	SOFTWARE	LEARNER PERFORMANCE INTELLIGENCE DASHBOARD	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade educational analytics platform providing rich visualisation of student outcomes encompassing assessment scores, interaction logs, and project outputs. The system enables curriculum concept mastery tracking and longitudinal trend analysis across individual classrooms and multi-institution cohorts to support data-informed instructional decisions. Quantity to be measured per server.	PER LICENSE
354	SOFTWARE	LEARNING ANALYTICS DASHBOARD	Visualization of student performance (quiz scores, interaction logs, project outputs); concept mastery tracking; trend analysis across classes and schools. Quantity to be measured per server.	PER LICENSE
355	SOFTWARE	LIVE STREAMING PLATFORM	Development, Installation, Integration, Testing & Commissioning of a high-capacity video streaming platform engineered to support a very large number of simultaneous users for live classes, events, and broadcasts. The system incorporates adaptive bitrate streaming, multi-device compatibility, session management, real-time engagement features, and cloud-based auto-scaling provisions for peak-load performance. Quantity to be measured per server.	PER LICENSE

356	SOFTWARE	MAGIC MIRROR	Supply and installation of an AI-powered interactive Magic Mirror with NLP-based conversational engine enabling real-time voice/text interaction using pre-trained personas. Includes multilingual support, speech-to-text and text-to-speech, grade-level contextual responses, configurable knowledge base, and interaction analytics. Quantity to be measured per server.	PER LICENSE
357	SOFTWARE	MAPPING LICENSE	Supply, Installation, Testing & Commissioning of a specialised software solution for mapping, geometrically warping, and blending video content. The system supports multi-projector/screens alignment, edge blending, keystone correction, and real-time synchronised content playback across multiple output channels, deployed in conjunction with media server hardware. Quantity to be measured per server.	PER LICENSE
358	SOFTWARE	MOBILE APPLICATION	Development, Installation, Integration, Testing & Commissioning of native and cross-platform mobile applications for Android and iOS, ranging from standard citizen-service interfaces to complex applications incorporating AI modules, real-time data, augmented reality, and media-intensive content. Applications include provisions for offline functionality, push notifications, secure authentication, and integration with government identity and payment services, compliant with MeitY e-governance standards. Quantity to be measured per server.	PER LICENSE
359	SOFTWARE	MOCK TEST GENERATOR	Development, Installation, Integration, Testing & Commissioning of an automated assessment generation system that creates structured question banks and mock tests from uploaded source documents, eBooks, and syllabus PDFs using NLP-based extraction and question formulation. The system supports multiple question formats with configurable difficulty levels and subject categorisation, with integrated scoring and performance analytics. Quantity to be measured per server.	PER LICENSE

360	SOFTWARE	MOTION-LINKED VR SIMULATOR SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade motion-coupled virtual reality content and control platform for simulator and vehicle-based immersive experiences, integrating inertial measurement unit and on-board diagnostics sensor feeds to dynamically align VR content with physical movement. The system delivers real-time spatial audio and three-dimensional visuals calibrated to the velocity, heading, and position of the host platform, built for sustained public-facing operation with automated failover capabilities. Quantity measured per server unit.	PER LICENSE
361	SOFTWARE	MULTI-TIER ACCESS GOVERNANCE SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade hierarchical user administration platform supporting multi-level organisational structures encompassing system administrators, institutional administrators, and educators. The system provides secure authentication, granular role-based permission frameworks, and comprehensive student and user database management capabilities. Quantity to be measured per server.	PER LICENSE
362	SOFTWARE	MULTIMEDIA PRODUCTION PLATFORM	An enterprise grade end-to-end digital media authoring and publishing suite engineered for developing, refining, and distributing rich-media content spanning video productions, graphic design, motion sequences, and interactive elements. The system incorporates non-linear editing, visual compositing, kinetic typography, audio engineering, and file transcoding capabilities, with AI-assisted workflow tools for productivity and quality enhancement. It empowers creators to produce curriculum-aligned, multilingual assets suitable for instructional use, presentations, and cross-platform digital delivery. Quantity to be measured per server.	PER LICENSE
363	SOFTWARE	MUSEUM MANAGEMENT SYSTEM (MMS / CMS)	Development, Installation, Integration, Testing & Commissioning of a centralised operations and content management system for museums and experience centres, providing end-to-end control over exhibit scheduling, show sequencing, content updates, audio guide synchronisation, and real-time server health monitoring. The system supports nodal management of multiple exhibits from a single interface with role-based access for content administrators and technical operators. Quantity to be measured per server.	PER LICENSE

364	SOFTWARE	NATIONAL CAMPAIGN PARTICIPATION PORTAL	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade scalable digital engagement platform for orchestrating large-scale public campaigns, encompassing citizen enrolment, media submission workflows, automated participation acknowledgement generation, AI-driven content moderation, and live reporting dashboards. The system integrates GIS-based event visualisation, multi-tier role-governed access, and adherence to data protection and digital governance mandates. Quantity measured per server unit.	PER LICENSE
365	SOFTWARE	OCR & IMAGE RECOGNITION SOFTWARE	Development, Installation, Integration, Testing & Commissioning of a dual-capability system combining Optical Character Recognition (OCR) for automated text extraction from scanned documents and forms, with AI-based image classification and object identification. The OCR engine supports printed and handwritten text in multiple Indian languages, with downstream integration for automated data indexing and processing workflows. Quantity to be measured per server.	PER LICENSE
366	SOFTWARE	OPERATIONS INTELLIGENCE DASHBOARD	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade backend management platform combining a business intelligence layer with a role-governed administrative console for overseeing system performance, user activity, and operational metrics. The tool supports configurable widget-based visualisations, hierarchical data drill-downs, scheduled report dispatch, and connectivity with diverse data sources including relational databases and external APIs. Quantity measured per server unit.	PER LICENSE
367	SOFTWARE	PERSONALISED MEDIA CAPTURE AND OUTPUT SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade integrated media production and distribution platform supporting instant image capture with branded digital overlays, on-site print output, and automated generation of personalised video assets. The video production pipeline processes participant data inputs to generate customised video outputs delivered via messaging channels, operating in unattended kiosk mode with queue orchestration and high-throughput processing capability. Quantity measured per server unit.	PER LICENSE

368	SOFTWARE	PHOTO & VIDEO EXPERIENCE SOFTWARE	Development, Installation, Integration, Testing & Commissioning of an integrated media capture and output system supporting instant photo capture with digital frame overlays, on-site printing, and automated generation of personalised video assets. The video generation pipeline processes user data inputs to produce customised video outputs delivered via messaging platforms, operating in unattended kiosk mode with queue management and high-throughput processing capability. Quantity to be measured per server.	PER LICENSE
369	SOFTWARE	POLICY & DOCUMENT ANALYZER	Development, Installation, Integration, Testing & Commissioning of an AI-powered document intelligence tool that parses government policy papers, Detailed Project Reports (DPRs), and Request for Proposals (RFPs) to extract structured information including scope, deliverables, timelines, and compliance requirements. The system applies NLP-based entity recognition and semantic analysis to generate concise, structured summaries, reducing manual effort in document evaluation workflows. Quantity to be measured per server.	PER LICENSE
370	SOFTWARE	POLICY RESERVOIR	Development, Installation, Integration, Testing & Commissioning of a centralised digital repository for government policies, regulatory circulars, and legislative documents, equipped with AI-powered search and retrieval using Retrieval-Augmented Generation (RAG). The system enables semantic indexing, context-aware querying, automated summarisation, role-based access control, version management, and audit trail maintenance. Quantity to be measured per server.	PER LICENSE
371	SOFTWARE	PRODUCTION SHOW CONTROL SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade integrated production management platform providing unified, timeline-driven control over lighting installations, audio systems, and projection equipment for synchronised audio-visual productions. The software enables precise cue sequencing, real-time event execution, and operator-level control interfaces, with support for industry-standard protocols including DMX, MIDI, and ArtNet for hardware interoperability. Quantity measured per server unit.	PER LICENSE
372	SOFTWARE	PROJECTION MAPPING	Projection Mapping of the projectors in all projector setups. Quantity to be measured per projector.	PER LICENSE
373	SOFTWARE	PROJECTOR SURFACE ALIGNMENT	Geometric calibration and surface mapping of projectors across all configured projection setups. Quantity measured per individual projector unit.	PER LICENSE

374	SOFTWARE	REAL-TIME WEB APPLICATION	Development, Installation, Integration, Testing & Commissioning of a dynamic, server-side web application engineered for live data processing, queue and slot management, and automated content or notification delivery through messaging platforms including SMS and WhatsApp. The system includes moderation consoles, content generation pipelines, and configurable business logic, designed for high-concurrency, low-latency operation on cloud infrastructure with defined uptime SLAs. Quantity to be measured per server.	PER LICENSE
375	SOFTWARE	REGULATORY DOCUMENT INTELLIGENCE TOOL	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade AI-driven document analysis platform that interprets government policy papers, detailed project reports, and procurement documents to extract structured information encompassing scope, deliverables, timelines, and compliance obligations. The system applies NLP-based entity extraction and semantic reasoning to generate concise structured summaries, reducing manual effort in document evaluation and review workflows. Quantity measured per server unit.	PER LICENSE
376	SOFTWARE	REPORTING & MIS SYSTEM	System Automated report generation (daily/weekly/monthly); exportable reports (PDF/Excel); customizable dashboards for government and institutional review. Quantity to be measured per server.	PER LICENSE
377	SOFTWARE	SCHEDULED MEDIA PLAYBACK MANAGER	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade continuous media playback orchestration system for unattended video display across single or networked multi-screen and projection installations. The software supports scheduled playlist administration, display resolution and aspect ratio configuration, remote content updates without interrupting active playback, and infrastructure health monitoring with automatic recovery provisions. Quantity measured per server unit.	PER LICENSE

378	SOFTWARE	SERVICE REQUEST AND SUPPORT TRACKING SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade issue lifecycle management platform supporting end-to-end logging, tracking, and resolution of technical support requests. The system incorporates SLA-driven escalation workflows, structured service request categorisation, and comprehensive interaction history logs to ensure timely resolution and accountability across all supported deployments. Quantity to be measured per server.	PER LICENSE
379	SOFTWARE	SHOW CONTROL SOFTWARE	Development, Installation, Integration, Testing & Commissioning of an integrated show management system providing unified, timeline-based control over lighting rigs, audio systems, and projection equipment for synchronised light and sound productions. The software enables precise cue programming, real-time trigger execution, and operator-level control interfaces, with support for industry-standard protocols including DMX, MIDI, and ArtNet for hardware interoperability. Quantity to be measured per server.	PER LICENSE
380	SOFTWARE	SPATIAL DATA AND ANALYTICS ENGINE	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade integrated geospatial intelligence platform merging GIS-based mapping with domain-specific data analytics spanning governance, infrastructure, financial, and utility sectors. The system enables spatial rendering of datasets, live event cartography, granular analysis at administrative unit level, and API-driven data ingestion from national and state government repositories. Quantity measured per server unit.	PER LICENSE
381	SOFTWARE	STORYBOARDING & DASHBOARD DEVELOPMENT	Development, Installation, Integration, Testing & Commissioning of a visual communication and data presentation platform supporting narrative storyboard creation and data-driven interactive dashboards for policy presentations and scheme monitoring. The platform supports live data source integration via APIs, drag-and-drop layout configuration, and role-based dashboard views for different levels of government stakeholders. Quantity to be measured per server.	PER LICENSE

382	SOFTWARE	SURFACE PROJECTION CALIBRATION SYSTEM	Supply, Deployment, Verification and Commissioning of an enterprise grade specialised media management solution for geometrically mapping, warping, and seamlessly blending projected imagery across screens and surfaces. The system enables multi-projector and multi-screen registration, edge-feathering, perspective correction, and synchronised real-time playback across multiple output channels, deployed alongside media server infrastructure. Quantity measured per projector configuration.	PER LICENSE
383	SOFTWARE	TASK MANAGEMENT SOFTWARE	Development, Installation, Integration, Testing & Commissioning of a structured project and task management platform enabling creation, assignment, prioritisation, and tracking of tasks across teams and departments. The system provides real-time progress dashboards, deadline alerts, escalation workflows, and performance reporting, with integration support for HRMS and analytics platforms. Quantity to be measured per server.	PER LICENSE
384	SOFTWARE	TICKETING & BOOKING SOFTWARE	Development, Installation, Integration, Testing & Commissioning of an end-to-end ticketing and reservation management system supporting online and offline booking modes, with payment gateway integration and automated confirmation delivery via email and SMS. The platform includes inventory management, slot scheduling, capacity controls, and administrative reporting dashboards for public-facing venues and institutional facilities. Quantity to be measured per server.	PER LICENSE
385	SOFTWARE	TICKETING & SUPPORT MANAGEMENT SYSTEM	Issue logging, tracking, and resolution management; SLA-based escalation workflows; service request tracking and history logs. Quantity to be measured per server.	PER LICENSE
386	SOFTWARE	UNIFIED DEPLOYMENT MONITORING CONSOLE	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade centralised oversight dashboard for real-time monitoring of all deployed technology zones including VR laboratories, kiosk installations, and emerging technology learning environments. The platform provides live infrastructure status visibility, cross-institution usage tracking, and role-governed access control for administrators at multiple operational tiers. Quantity to be measured per server.	PER LICENSE

387	SOFTWARE	UNIFIED ECOSYSTEM MANAGEMENT PLATFORM	An enterprise grade scalable, cloud-native enterprise platform designed to orchestrate end-to-end operations across multi-stakeholder environments, encompassing configurable components such as stakeholder portals, performance dashboards, analytical engines, collaborative workspaces, and process automation systems. The platform offers user lifecycle management, attribute-based access control, data federation, live monitoring, AI-driven insights, reporting suites, and secure data repositories, enabling cohesive participation, outcome tracking, and informed governance. It accommodates scalable rollout, interoperability with legacy systems, and institutional customisation to align with organisational, sector-specific, and regulatory mandates. Quantity to be measured per server.	PER LICENSE
388	SOFTWARE	USER & ACCESS MANAGEMENT SYSTEM	Multi-level user hierarchy (Admin, School Admin, Teacher); secure login; role-based permissions; student/user database management. Quantity to be measured per server.	PER LICENSE
389	SOFTWARE	VENUE BOOKING AND RESERVATION SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade comprehensive ticketing and reservation management platform supporting digital and on-premises booking channels, with payment gateway connectivity and automated booking confirmation dispatch via email and SMS. The platform incorporates inventory control, time-slot scheduling, capacity management, and administrative reporting dashboards for public venues and institutional facilities. Quantity measured per server unit.	PER LICENSE
390	SOFTWARE	VIDEO ON LOOP (VOL) SOFTWARE	Development, Installation, Integration, Testing & Commissioning of a media playback management system for continuous, unattended video display across single or multiple screens and projection outputs within a networked installation. The software supports scheduled playlist management, resolution and aspect ratio configuration, remote content updates without disruption to ongoing playback, and health monitoring with automatic restart provisions. Quantity to be measured per server.	PER LICENSE

391	SOFTWARE	VISITOR SENTIMENT COLLECTION SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade digital response capture platform deployed on interactive touch screens, tablets, and kiosk installations at public venues. The system records quantitative ratings and qualitative feedback entries, consolidates responses in real time, and produces scheduled summary reports for administrators, with configurable multilingual survey design and centralised dashboard integration. Quantity measured per server unit.	PER LICENSE
392	SOFTWARE	VISUAL NARRATIVE AND DASHBOARD PLATFORM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade visual communication and data presentation environment supporting narrative storyboard development and data-driven interactive dashboards for policy visualisation and programme monitoring. The platform supports live data connectivity via APIs, drag-and-drop layout configuration, and role-differentiated dashboard perspectives for government stakeholders across administrative tiers. Quantity measured per server unit.	PER LICENSE
393	SOFTWARE	VR APPLICATION	Development, Installation, Integration, Testing & Commissioning of a standalone Virtual Reality application delivering fully immersive, first-person digital environments for training, tourism, museum experiences, and situational simulations. The application is developed for standard VR headset platforms with support for interactive controllers, spatial audio, and branching narrative structures, with content updateable via management interfaces without requiring application redeployment. Quantity to be measured per server.	PER LICENSE
394	SOFTWARE	WINDOWS LICENSE	Supply and activation of genuine Microsoft Windows OS license (latest Professional/Server edition as required) including installation, configuration, and all necessary media/keys, complete in all respects as per specifications and direction of Engineer-in-Charge. Quantity to be measured per server.	PER LICENSE

395	SOFTWARE	WORKFORCE MANAGEMENT SYSTEM	Design, Deployment, Integration, Verification and Commissioning of an enterprise grade human resource operations platform encompassing staff attendance monitoring, payroll computation, geo-tagged field personnel tracking, task delegation, and KPI-driven performance assessment. The system supports multi-role access for HR administrators, department managers, and individual employees, with automated compliance reporting for both office-based and field-deployed workforce environments. Quantity measured per server unit.	PER LICENSE
396	TECH	3D PRINTER	Supply, installation, testing & commissioning of desktop 3D printer with suitable build volume, minimum 0.1–0.3 mm layer resolution, compatible with standard materials (PLA/ABS or equivalent), heated build platform, enclosed/open frame as required, USB/Wi-Fi connectivity, onboard control interface, and bundled slicing software, complete with starter material, power supply, and all necessary accessories as required.	EACH
397	TECH	3D PRINTING	Providing 3D printing services for fabrication of objects/models from approved 3D designs using suitable additive manufacturing technology (FDM/SLA/SLS/MJF or equivalent), including material supply (PLA/ABS/resin/nylon or equivalent), machine time, slicing, supports, post-processing (cleaning, curing, finishing), quality check, and delivery, complete in all respects as required.	GRAM
398	TECH	AI ENABLED CAMERA	Supply, Installation, Testing & Commissioning of AI-enabled camera with inbuilt video analytics (such as object detection, people detection), minimum required resolution, complete in all respects as per specifications and direction of Engineer-in-Charge.	EACH
399	TECH	AI HOLOBOX 65	SITC of AI Holobox Setup with screen size of 65 inch (diagonal) made in a form of dark cuboid structure with white Paint. Front to have holographic screen, included in this cost.	EACH
400	TECH	AI HOLOBOX 86	SITC of AI Holobox Setup with screen size of 86 inch (diagonal) made in a form of dark cuboid structure with white Paint. Front to have holographic screen, included in this cost.	EACH
401	TECH	AI SERVER 320GB	SITC of enterprise grade rack mountable AI Server having GPU 4Xh100, 256 GB RAM, 5 TB Storage, Redundant Power Supply, Dual- network port and with proper cooling system	EACH

402	TECH	AI SERVER 640GB	SITC of enterprise grade rack mountable AI Server having GPU 8Xh100, 512 GB RAM, 5 TB Storage, Redundant Power Supply, Dual- network port and with proper cooling system	EACH
403	TECH	AI SERVER 80GB	SITC of enterprise grade rack mountable AI Server having GPU of 80GB A100, Xeon Processor 16 core, 64 GB RAM, 1 TB Storage, Redundant Power Supply, Dual- network port and with proper cooling system	EACH
404	TECH	APPLE TV	Supply, Installation, Testing and Commissioning of Apple TV media streaming device with support for HD/4K resolution, Wi-Fi and Bluetooth connectivity, HDMI output, and remote control; compatible with major streaming applications and screen mirroring, complete with necessary cables and accessories.	EACH
405	TECH	ARCHIVAL SCANNING	Providing archival digitization/scanning of documents, including collection, sorting, preparation, high-resolution scanning (minimum 300 dpi or as specified) in color/grayscale/mono as required, image enhancement, indexing/metadata tagging, file naming, and conversion to standard formats (PDF/PDF-A/JPEG/TIFF or equivalent), with quality check and organization of digital records including data storage and handover on approved media/cloud, complete in all respects as required. Measurement on per page basis.	PAGE
406	TECH	AUDIO CARD	Supply, Installation, Testing & Commissioning of professional audio interface, featuring up to 28 inputs and 32 outputs with pristine 24-bit/192 kHz audio resolution, equipped with ultra-low latency drivers, and advanced DSP-powered mixing and effects processing; the unit supports multiple connectivity options including USB/Thunderbolt compatibility, ADAT optical, S/PDIF, and MIDI I/O, ensuring seamless integration with modern digital audio workstations; complete with intuitive control software, front-panel metering, robust metal chassis construction, and reliable power supply, the system shall be installed, tested, and commissioned to deliver stable, high-fidelity audio performance suitable for studio, broadcast, and live sound applications.	EACH

407	TECH	AUDIO GUIDE	Supply, Installation, Testing & Commissioning of Audio Guide device comprising handheld smartphone with minimum 6.7-inch display, 128GB internal storage, 4GB RAM, octa-core processor and 5000 mAh battery, suitable for audio guide application deployment.	EACH
408	TECH	BIOMETRIC WEARABLE DEVICE	Wearable device, Delivers up to 14 days of battery life on a single charge, while offering advanced health monitoring including continuous heart rate, SpO ₂ , sleep, and stress tracking.	EACH
409	TECH	CAMERA 4K	Supply, installation, testing and commissioning of premium USB webcam featuring 4K Ultra HD video resolution, advanced auto-focus, auto light correction, dual noise-reducing microphones, and USB plug-and-play connectivity. The webcam shall be compatible with major video conferencing platforms and suitable for professional desktop setups. The item shall include all necessary mounting accessories, cabling, software support, and complete integration as per site requirements.	EACH
410	TECH	CAMERA DSLR	Supply, Installation, Testing & Commissioning of digital camera suitable for video capture and live streaming applications, featuring a 24.2 MP APS-C CMOS sensor with DIGIC X image processor for high-quality image and video output. The camera shall support 4K UHD video recording (up to 30 fps) and Full HD recording (up to 120 fps) with advanced autofocus using Dual Pixel CMOS AF II for accurate subject tracking.	EACH
411	TECH	CEILING MIC	Supply, installation, testing & commissioning of ceiling-mounted beamforming microphone with 360° audio coverage, adaptive beamforming technology, flush/surface mounting kit; complete with all required cabling, suspension/mounting accessories, interface with AV system, and commissioning for optimal speech pickup, as required.	EACH
412	TECH	COMPACT CPU	Supply Installation Testing & Commissioning of a compact CPU with following specification: Processor intel Ultra 7 or equivalent, 250GB SSD, 16GB DDR4 RAM with required operating system.	EACH
413	TECH	COMPUTER SETUP	Supply Installation Testing & Commissioning of Computer setup including Ultra 7 or equivalent processor, Monitor of 21 inch Full HD, wireless keyboard and mouse with required operating system.	EACH

414	TECH	CPU I9 48GB	Supply, Installation, Testing & Commissioning of high-performance CPU with following specifications: Processor Intel i9, 32GB DDR5 RAM, 1TB SSD, 48GB Graphics Card, 1250W SMPS and Windows 11 Pro operating system, complete in all respects as required.	EACH
415	TECH	CPU ULTRA7 04GB	Supply Installation Testing & Commissioning of CPU with following specification: Processor intel core Ultra 7 or equivalent, 500GB SSD, 16GB DDR5 RAM & 4 GB GPU (Nvidia/AMD) to drive required HDMI output with required operating system	EACH
416	TECH	CPU ULTRA7 08GB	Supply Installation Testing & Commissioning of CPU with following specification: Processor intel core Ultra 7 or equivalent, 500GB SSD, 16GB DDR5 RAM & 8 GB GPU (Nvidia/AMD) to drive required HDMI output with required operating system	EACH
417	TECH	CPU ULTRA7 16GB	Supply Installation Testing & Commissioning of CPU with following specification: Processor intel core Ultra 7 or equivalent, 500GB SSD, 16GB DDR5 RAM & 16 GB GPU (Nvidia/AMD) to drive required HDMI output with required operating system	EACH
418	TECH	CPU ULTRA7 24GB	Supply Installation Testing & Commissioning of CPU with following specification: Processor intel core Ultra 7 or equivalent, 500GB SSD, 16GB DDR5 RAM & 24 GB GPU (Nvidia/AMD) to drive required HDMI output with required operating system	EACH
419	TECH	CPU ULTRA9 24GB	Supply Installation Testing & Commissioning of CPU with following specification: Processor intel Ultra 9 or equivalent, 500GB SSD, 32GB DDR5 RAM & 24GB GPU (Nvidia/AMD) to drive required HDMI output with required operating system.	EACH
420	TECH	DRONE	A compact, lightweight aerial drone equipped with a high-resolution camera capable of stabilized 4K video capture, featuring AI-powered subject tracking, gesture-based control, and automated flight modes for hands-free operation. The system integrates omnidirectional obstacle sensing, real-time video transmission, and multiple control options (app, gesture, or controller), ensuring safe and intuitive usage. Designed for content creation and quick aerial documentation, it offers portable form factor, short-duration immersive flight capability, and built-in storage, making it suitable for beginner and professional applications across varied environments.	EACH

421	TECH	DRONE KIT	A comprehensive drone kit designed for aerial imaging, training, and demonstration purposes, comprising a compact unmanned aerial vehicle with integrated camera, flight controller, batteries, and essential accessories. The system supports stabilized video capture, intelligent flight modes, and real-time transmission, along with safety features such as obstacle sensing and return-to-home functionality. Suitable for education, inspection, and documentation applications, the kit enables users to understand drone operations, aerial data capture, and basic flight control principles in a practical and user-friendly manner.	EACH
422	TECH	ELECTRONICS KIT	Supply of a comprehensive engineering kit for educational and prototyping purposes, comprising microcontroller-based development platform, motor driver modules, sensors, actuators (motors/servos), power supply components, mechanical assembly parts, and required cables/connectors, along with licensed software tools and access to learning resources for hands-on experimentation in embedded systems, and control systems, complete with storage case, documentation, and basic operational support.	EACH
423	TECH	ENTERPRISE SERVER	Supply, Installation, Testing and Commissioning of enterprise-grade server with suitable latest generation Xeon processor, minimum 32 GB RAM, 1 TB storage complete with all required accessories, configuration, and testing as required, and covered by standard manufacturer warranty.	EACH
424	TECH	FISH EYE LENS	Supply, Installation, Testing & Commissioning of fish eye lens compatible with specified camera system, complete with mounting accessories and alignment as required, in all respects as per specifications and direction of Engineer-in-Charge.	EACH
425	TECH	FRAME TV 55	Supply, Installation, Testing & Commissioning of QLED 4K Smart TV, featuring a 55-inch 4K Ultra HD QLED display with a matte, anti-reflective screen and Art Mode that transforms the TV into a digital art frame when not in use	EACH
426	TECH	GPU 8GB	SITC of Spare 8GB GPU (Nvidia/AMD) for upgradation of computers.	EACH
427	TECH	HANDWRITING ROBOT	Supply, installation, testing, and commissioning of an automated handwriting robot capable of writing human-like text using real pens on various paper sizes, with programmable text input via software interface.	EACH

428	TECH	HDMI SWITCHER	Supply, installation, testing & commissioning of high-end HDMI switcher with multiple HDMI inputs and minimum one HDMI output, supporting up to 4K/UHD resolution, HDCP compliance, seamless switching, audio embedding/de-embedding, and control via front panel/remote/LAN/RS-232 and suitable for integration with AV/VC systems, complete with power supply, mounting accessories, cabling, programming/configuration, and all necessary components for seamless operation, as required.	EACH
429	TECH	HEADPHONE	Supply, Installation, Testing & Commissioning of Headphone unit comprising over-ear design with active noise cancelling feature, 32-ohm impedance, rechargeable battery supporting up to 40 hours playback with approximately 3 hours charging time, and detachable audio cable for wired connectivity.	EACH
430	TECH	HOLOFAN 1000 DIA	Supply, Installation, Testing & Commissioning of HOLOFAN holographic display unit of 1000 mm diameter, designed to create floating 3D holographic visual effects using high-speed rotating LED blades for advertising and digital display applications. The unit shall consist of high-brightness RGB LED strips mounted on rotating fan blades, capable of displaying full-color videos, images and animations with high resolution and clear visibility in indoor environments.	EACH
431	TECH	HOLOFAN 800 DIA	Supply, Installation, Testing & Commissioning of HOLOFAN holographic display unit of 800 mm diameter, designed to create floating 3D holographic visual effects using high-speed rotating LED blades for advertising and digital display applications. The unit shall consist of high-brightness RGB LED strips mounted on rotating fan blades, capable of displaying full-color videos, images and animations with high resolution and clear visibility in indoor environments.	EACH
432	TECH	IMAC	Supply, Installation, Testing and Commissioning of Apple iMac with latest generation chip, 16 GB unified memory, and 256 GB SSD storage; complete with charger, accessories, configuration, and testing as required	EACH
433	TECH	IPAD	Supply, Installation, Testing and Commissioning of 11-inch Apple iPad (Wifi only) having a resolution of 2360 × 1640 pixels with latest chip, 128GB storage and shall be supplied with USB-C charging cable and adapter, complete in all respects.	EACH

434	TECH	IR TOUCH 2	Providing, supplying, installation, testing & commissioning of Infrared (IR) Touch Frame System suitable to cover two (2) 55-inch video wall display units arranged together, enabling multi-touch interactive operation across the combined display area. The system shall consist of a high-precision IR touch frame with integrated infrared emitter and receiver sensors mounted around the perimeter of the video wall to detect touch points using an infrared grid technology.	EACH
435	TECH	IR TOUCH 3	Providing, supplying, installation, testing & commissioning of Infrared (IR) Touch Frame System suitable to cover three (3) 55-inch video wall display units arranged together, enabling multi-touch interactive operation across the combined display area. The system shall consist of a high-precision IR touch frame with integrated infrared emitter and receiver sensors mounted around the perimeter of the video wall to detect touch points using an infrared grid technology.	EACH
436	TECH	IR TOUCH 4	Providing, supplying, installation, testing & commissioning of Infrared (IR) Touch Frame System suitable to cover four (4) 55-inch video wall display units arranged together, enabling multi-touch interactive operation across the combined display area. The system shall consist of a high-precision IR touch frame with integrated infrared emitter and receiver sensors mounted around the perimeter of the video wall to detect touch points using an infrared grid technology.	EACH
437	TECH	IR TOUCH 6	Providing, supplying, installation, testing & commissioning of Infrared (IR) Touch Frame System suitable to cover six (6) 55-inch video wall display units arranged together, enabling multi-touch interactive operation across the combined display area. The system shall consist of a high-precision IR touch frame with integrated infrared emitter and receiver sensors mounted around the perimeter of the video wall to detect touch points using an infrared grid technology.	EACH
438	TECH	IR TOUCH 8	Providing, supplying, installation, testing & commissioning of Infrared (IR) Touch Frame System suitable to cover eight (8) 55-inch video wall display units arranged together, enabling multi-touch interactive operation across the combined display area. The system shall consist of a high-precision IR touch frame with integrated infrared emitter and receiver sensors mounted around the perimeter of the video wall to detect touch points using an infrared grid technology.	EACH

439	TECH	JOYSTICKS	Supply, Installation, Testing & Commissioning of USB joystick controller designed for accurate navigation and control in simulation, training and interactive applications. The joystick shall feature a high-precision twist rudder control for natural one-handed operation, along with 12 programmable buttons and an 8-way hat switch to provide versatile command inputs.	EACH
440	TECH	KEYBOARD MOUSE	Supply, Installation, Testing & Commissioning of Wireless Keyboard and Mouse Combo consisting of a full-size wireless keyboard and optical mouse designed for desktop and workstation use. The keyboard shall feature plunger-style keys with anti-fade and spill-resistant keycaps, integrated multimedia hotkeys (volume and mute) and an adjustable tilt design for comfortable typing.	EACH
441	TECH	KINECT CONTROLLER	Supply, Installation, Testing and Commissioning of motion-sensing Kinect controller with integrated camera, depth sensor, capable of body tracking and gesture recognition and be compatible with PC/console systems for interactive applications, gaming, and motion capture including installation, configuration, and testing as required, and covered by standard manufacturer warranty.	EACH
442	TECH	KINETIC DROP INSTALLATION	Supply, Installation, Testing & Commissioning of Kinetic Balls, which vertical movement. The movement should be programmable. The item includes the cost of material, installation (including construction of any required structure of ceiling), electrical cabling, any necessary control hardware, its software, programming, data cable, etc	BALLS
443	TECH	KINETIC LED	Supply, installation, testing and commissioning of kinetic LED display system comprising modular LED panels with pixel pitch ranging from 1.78 mm to 2.5 mm (as per approved design), including motorized kinetic mechanism enabling controlled forward movement with synchronized speed and response time, LED tile/module configuration with high brightness (>700 nits for indoor and up to 7000 nits for outdoor applications), refresh rate suitable for high-quality video display, wide viewing angles, and robust structural frame, complete with receiving cards, processors, power supply units, control system, cabling, suspension structure, cooling system and all necessary accessories for a fully operational system.	SQM

444	TECH	KINETIC RING INSTALLATION	Providing, Fabrication, Supply, Installation, Testing & Commissioning of Kinetic Rings Installation consisting of rotating circular ring of 1200 mm diameter, fabricated using mild steel (MS) or aluminium structural frame of suitable section to ensure adequate strength and rigidity. The frame shall be precision fabricated and finished with black powder coating for corrosion resistance, durability and aesthetic appearance. The kinetic ring assembly shall be equipped with motorized rotation mechanism with suitable geared motor, bearings, shafts and mounting supports to enable smooth and continuous rotation. The installation shall include necessary mounting brackets, support structures, fasteners, electrical connections, control wiring and power supply units required for operation. The system shall be designed to ensure balanced rotation, low vibration, safe operation and proper alignment during continuous use. The scope shall include fabrication, supply of all materials, installation, wiring, testing and commissioning of the complete rotating kinetic ring system, complete in all respects as per approved design, drawings and site requirements.	EACH
445	TECH	KIOSK SERVER/ GPU WORKSTATION	Supply Installation Testing & Commissioning of CPU with following specification: Processor intel core Ultra 7 or equivalent, 500GB SSD, 32GB DDR5 RAM & 12 GB GPU (Nvidia/AMD) to drive required HDMI output with required operating system	EACH
446	TECH	LAPTOP	Supply, Installation, Testing and Commissioning (SITC) of laptop computer system with latest-generation intel i5 processor, minimum 16GB RAM, minimum 512GB SSD storage, and Full HD display (approx. 14"–15.6"); with wireless connectivity (Wi-Fi/Bluetooth), integrated graphics, preloaded with licensed operating system, complete with charger and all necessary accessories, as required.	EACH
447	TECH	LASER LIGHTING	The bidder shall provide professional RGB full-colour show laser system with minimum 5W-10W optical output (or as required), capable of aerial beam effects and graphics projection. Unit shall support ILDA/DMX control with inbuilt safety features including key switch, interlock, emergency stop, scan-fail protection, shutter, and compliance with applicable laser safety standards. System should include suitable mounting/rigging accessories, control interface/software, and required power/data cabling for show operation.	EACH
448	TECH	LEDHEMISPHER E P1.25	Supply, Installation, Testing & Commissioning of a LED HemiSphere of 1.5 m dia, 1.25mm Pixel Pitch	EACH

449	TECH	LEDHEMISPHERE P1.56	Supply, Installation, Testing & Commissioning of a LED Hemisphere of 1.5 m dia, 1.56mm Pixel Pitch	EACH
450	TECH	LEDSPHERE P1.25	Supply, Installation, Testing & Commissioning of a LED Sphere of 1.5 m dia, 1.25mm Pixel Pitch	EACH
451	TECH	LEDSPHERE P1.56	Supply, Installation, Testing & Commissioning of a LED Sphere of 1.5 m dia, 1.56mm Pixel Pitch	EACH
452	TECH	LEDWALL P0.9375	Supply, installation, testing, and commissioning of fine-pitch LED display panel (P0.9375) suitable for high-resolution indoor display applications, featuring approximately 0.9375 mm pixel pitch, high brightness, wide viewing angles, and seamless panel integration for large-format video wall installations.	SQM
453	TECH	LEDWALL P1.56	Supply, Installation, Testing & Commissioning of indoor LED Video Wall system with 1.56 mm pixel pitch using Chip-On-Board (COB) technology, comprising 16:9 aspect ratio cabinets with minimum 600 nits brightness, ≥3840 Hz refresh rate, ≥20,000:1 contrast ratio and 160° horizontal/vertical viewing angles.	SQM
454	TECH	LEDWALL P2.5	Supply, Installation, Testing & Commissioning of Fine Pitch Indoor LED Display with 2.5 mm pixel pitch using SMD 3-in-1 LED configuration, typical brightness of 600 cd/m², contrast ratio of 8000:1, refresh rate up to 3840 Hz, and color processing of 14-bit to 16-bit. The display offers wide viewing angles of 160° horizontal and vertical, typical LED lifetime ≥100,000 hours, AC power input 200–240 V.	SQM
455	TECH	LEDWALL P4	Supply, Installation, Testing & Commissioning of outdoor SMD LED display system with 4.0 mm pixel pitch utilizing SMD 3-in-1 LED configuration. The display shall provide typical brightness of 6,000 cd/m², contrast ratio of 10,000:1 or higher, and high refresh rate up to 3840 Hz for flicker-free image reproduction. The system shall support 14-bit to 16-bit color processing with up to 4.4 trillion–281 trillion colors and 0–255 level dimming capability. The display shall offer wide viewing angles of 160° horizontal and 140° vertical ensuring clear visibility in outdoor environments. The LED modules shall have a typical lifetime ≥100,000 hours and operate with AC power input of 100–240 V.	SQM

456	TECH	LEDWALLT P2.6_6.9	Supply, Installation, Testing & Commissioning of transparent LED display system from the featuring 2.6–6.9 mm pixel pitch with 1R1G1B LED configuration and high transparency of approximately 47%, suitable for glass façade and creative digital display installations. The display shall provide typical brightness of approximately 4500 nits, pixel density of 55,296 dots/m ² , 14-bit grayscale processing, and high refresh rate ≥3840 Hz for smooth and flicker-free image reproduction. The system shall consist of lightweight aluminum profile cabinets of size 1000 × 1000 mm, with 384 × 144 pixels per panel and weight of approximately 8 kg/m ² , enabling easy installation and structural efficiency.	SQM
457	TECH	LEVITATION MODULE	Supply, Installation, Testing & Commissioning of Levitating Module with required levitating mechanism having provision of the constant rotation of installation while being levitated and having magnetic capacity to take a load upto 20 KG and to a height of minimum 70cms. The installation should be in 360 degree rotation state, along the vertical axis, all the time.	EACH
458	TECH	LFD 55 0.88MM	Supply, installation, testing, and commissioning of 55-inch narrow-bezel LED display with 0.88 mm combined bezel for video wall applications. The display shall feature Full HD (1920 × 1080) resolution, LED backlight, high brightness suitable for commercial display use, and continuous operation capability. The scope shall include mounting hardware, required cabling, alignment, configuration, and integration.	EACH
459	TECH	LFD 55 3.5MM	Supply, installation, testing, and commissioning of 55-inch narrow-bezel LED display with 3.5 mm combined bezel suitable for video wall applications. The display shall support Full HD (1920 × 1080) resolution, LED backlighting, high brightness for commercial display use, and continuous operation capability.	EACH
460	TECH	LIDAR SCANNER	The bidder shall carry out LIDAR-based 3D scanning of the projection surface/site to capture accurate dimensions and geometry for mapping alignment and content warping. The scan should deliver a registered point cloud and a usable 3D model/mesh for the production pipeline. Scanning and processing must ensure adequate accuracy for façade/structure detailing and seamless projection fit. Final scan outputs shall be shared in standard formats (e.g., E57/LAS/OBJ/FBX) as required for the mapping workflow.	SQM

461	TECH	M2M SIM CARD	Supply, activation, and configuration of M2M SIM card with suitable data plan for device connectivity, including integration with system hardware, testing for network performance, and ensuring seamless communication, complete in all respects as per specifications and direction of Engineer-in-Charge.	EACH
462	TECH	MACBOOK	Supply, Installation, Testing and Commissioning of Apple MacBook with latest generation chip, 16 GB unified memory, and 512 GB SSD storage; complete with charger, accessories, configuration, and testing as required	EACH
463	TECH	MIC CONTROLLER	Supply, installation, testing & commissioning of microphone control unit for video conferencing (VC) system, capable of managing multiple microphone inputs with features such as gain control, mute/priority functions, echo/noise suppression compatibility, and interface with DSP/AV system; including necessary power supply, connectivity (analog/digital/network as applicable), control interface, cabling, and all accessories, complete for seamless integration and operation as required.	EACH
464	TECH	MICROPHONE	Supply, installation, testing, and commissioning of USB condenser microphone suitable for voice capture, conferencing, and recording applications. The microphone shall feature high-quality condenser capsule, integrated USB connectivity, built-in pop filter, and stable desktop stand for clear and reliable audio performance.	EACH
465	TECH	MONI 24	Supply, installation, testing, and commissioning of 24-inch LED monitor suitable for professional display and workstation use. The monitor shall provide high-resolution display with LED backlighting, wide viewing angles, and clear image quality for continuous operation.	EACH
466	TECH	MONI 27	Supply, installation, testing, and commissioning of 27-inch LED monitor suitable for professional display and workstation use. The monitor shall provide high-resolution display with LED backlighting, wide viewing angles, and clear image quality for continuous operation."	EACH
467	TECH	MONI 32	Supply, installation, testing, and commissioning of 32-inch LED monitor suitable for professional display and workstation use. The monitor shall provide high-resolution display with LED backlighting, wide viewing angles, and clear image quality for continuous operation.	EACH

468	TECH	MOTION CONTROLLER	Supply, installation, testing, and commissioning of motion controller for touchless gesture and hand-tracking interaction. The device shall utilize infrared optical sensors to accurately track hand and finger movements in real time, suitable for interactive displays, simulation, or visualization systems.	EACH
469	TECH	MR HEADSET	Supply, installation, testing & commissioning of standalone mixed reality (MR) headset with inside-out tracking, spatial mapping, hand/gesture recognition, integrated display (high-resolution), onboard processing, Wi-Fi/Bluetooth connectivity, rechargeable battery, compatible controllers (if applicable), and enterprise-grade software support, complete with all accessories and integration as required.	EACH
470	TECH	PR_05000_0.25	Supply, Installation, Testing & Commissioning of projector complete with 0.25:1 ultra-short throw lens, capable of delivering 5000 ISO lumens brightness with WUXGA native resolution (1920 × 1200) in 16:10 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH

471	TECH	PR_07150_1.25 –2.0	Supply, Installation, Testing & Commissioning of projector complete with 1.25–2.0 throw lens, capable of delivering 7150 ISO lumens brightness with WUXGA native resolution (1920 × 1200) in 16:10 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
472	TECH	PR_08500_1.25 –2.0	Supply, Installation, Testing & Commissioning of projector complete with 1.25–2.0 throw lens, capable of delivering 8500 ISO lumens brightness with 4K UHD output resolution (3840 × 2160) in 16:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH

473	TECH	PR_09500_0.37 RT	Supply, Installation, Testing & Commissioning of projector complete with 0.37RT ultra-short throw lens, capable of delivering 9500 ISO lumens brightness with WUXGA native resolution (1920 × 1200) in 16:10 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
474	TECH	PR_09500_0.65 –0.75	Supply, Installation, Testing & Commissioning of projector complete with 0.65–0.75 throw lens, capable of delivering 9500 ISO lumens brightness with WUXGA native resolution (1920 × 1200) in 16:10 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH

475	TECH	PR_09500_0.75 –0.95	Supply, Installation, Testing & Commissioning of projector complete with 0.75–0.95 throw lens, capable of delivering 9500 ISO lumens brightness with WUXGA native resolution (1920 × 1200) in 16:10 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
476	TECH	PR_09600_0.65 –0.75	Supply, Installation, Testing & Commissioning of projector complete with 0.65–0.75 throw lens, capable of delivering 9600 ISO lumens brightness with WUXGA native resolution (1920 × 1200) in 16:10 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH

477	TECH	PR_09600_1.25 -2.0	Supply, Installation, Testing & Commissioning of projector complete with 1.25–2.0 throw lens, capable of delivering 9600 ISO lumens brightness with WUXGA native resolution (1920 × 1200) in 16:10 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
478	TECH	PR_10000_0.37 RT	Supply, Installation, Testing & Commissioning of projector complete with 0.37RT ultra-short throw lens, capable of delivering 10000 ISO lumens brightness with 4K UHD native resolution (3840 × 2160) in 16:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH

479	TECH	PR_10000_0.55 -0.65	Supply, Installation, Testing & Commissioning of projector complete with 0.55–0.65 throw lens, capable of delivering 10000 ISO lumens brightness with 4K UHD native resolution (3840 × 2160) in 16:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
480	TECH	PR_10000_1.25 -2.0	Supply, Installation, Testing & Commissioning of projector complete with 1.25–2.0 throw lens, capable of delivering 10000 ISO lumens brightness with 4K UHD native resolution (3840 × 2160) in 16:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH

481	TECH	PR_14250_0.37 RT	Supply, Installation, Testing & Commissioning of projector complete with 0.37RT ultra-short throw lens, capable of delivering 14250 ISO lumens brightness with 4K UHD output resolution (3840 × 2160) in 16:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
482	TECH	PR_14250_0.55 -0.65	Supply, Installation, Testing & Commissioning of projector complete with 0.55–0.65 throw lens, capable of delivering 14250 ISO lumens brightness with 4K UHD output resolution (3840 × 2160) in 16:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH

483	TECH	PR_14250_1.25-2.0	Supply, Installation, Testing & Commissioning of projector complete with 1.25–2.0 throw lens, capable of delivering 14250 ISO lumens brightness with 4K UHD output resolution (3840 × 2160) in 16:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
484	TECH	PR_16000_0.46 RT	Supply, Installation, Testing & Commissioning of projector complete with 0.46RT ultra-short throw lens, capable of delivering 16000 ISO lumens brightness with 4K UHD output resolution (3840 × 2160) in 16:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH

485	TECH	PR_16000_0.78 –0.95	Supply, Installation, Testing & Commissioning of projector complete with 0.78–0.95 throw lens, capable of delivering 16000 ISO lumens brightness with 4K UHD output resolution (3840 × 2160) in 16:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
486	TECH	PR_16000_1.13 –1.8	Supply, Installation, Testing & Commissioning of projector complete with 1.13–1.8 throw lens, capable of delivering 16000 ISO lumens brightness with 4K UHD output resolution (3840 × 2160) in 16:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH

487	TECH	PR_18000_0.38 RT	Supply, Installation, Testing & Commissioning of projector complete with 0.38RT ultra-short throw lens, capable of delivering 18000 ISO lumens brightness with WUXGA resolution (1920 × 1200) in 16:10 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
488	TECH	PR_18000_ST & LT	Supply, Installation, Testing & Commissioning of projector complete with ST/LT lens, capable of delivering 18000 ISO lumens brightness with WUXGA output resolution (1920 × 1200) in 16:10 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH

489	TECH	PR_21000_0.38 RT	Supply, Installation, Testing & Commissioning of projector complete with 0.38RT ultra-short throw lens, capable of delivering 21000 ISO lumens brightness with 4K UHD output resolution (3840 × 2160) in 16:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
490	TECH	PR_21000_ST & LT	Supply, Installation, Testing & Commissioning of projector complete with ST/LT lens, capable of delivering 21000 ISO lumens brightness with 4K UHD output resolution (3840 × 2160) in 16:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH

491	TECH	PR_24000_0.38 RT	Supply, Installation, Testing & Commissioning of projector complete with 0.38RT ultra-short throw lens, capable of delivering 24000 ISO lumens brightness with WUXGA native resolution (1920 × 1200) in 16:10 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
492	TECH	PR_24000_ST & LT	Supply, Installation, Testing & Commissioning of projector complete with ST/LT lens, capable of delivering 24000 ISO lumens brightness with WUXGA native resolution (1920 × 1200) in 16:10 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH

493	TECH	PR_25000_0.38 RT	Supply, Installation, Testing & Commissioning of projector complete with 0.38RT ultra-short throw lens, capable of delivering 25000 ISO lumens brightness with 4K native resolution (4096 × 2160) in 17:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
494	TECH	PR_25000_ST & LT	Supply, Installation, Testing & Commissioning of projector complete with ST/LT lens, capable of delivering 25000 ISO lumens brightness with 4K native resolution (4096 × 2160) in 17:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH

495	TECH	PR_31000_ST & LT	Supply, Installation, Testing & Commissioning of projector complete with ST/LT lens, capable of delivering 31000 ISO lumens brightness with WUXGA native resolution (1920 × 1200) in 16:10 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
-----	------	------------------	---	------

496	TECH	PR_35000_0.38 RT	Supply, Installation, Testing & Commissioning of 4K RGB high-performance projection system complete with 0.38RT ultra-short throw lens, capable of delivering approximately 35,000 ISO lumens brightness with native 4K resolution (4096 × 2160) and 17:9 aspect ratio. The projector shall utilize 3DLP® technology with RGB pure laser light source, providing superior color accuracy, high contrast ratio and long operational life of approximately 20,000 hours with minimal maintenance. The system shall support advanced image processing features including geometric correction, warping, edge blending and projection mapping capabilities suitable for large immersive displays and simulation environments. The projector shall include HDMI/DisplayPort inputs, HDBaseT connectivity, LAN control interface and compatibility with standard AV control systems. The scope shall include projector, specified lens, mounting accessories, power and signal cabling, installation, alignment, calibration, testing and commissioning, complete in all respects as per approved drawings and site requirements.	EACH
-----	------	---------------------	--	------

497	TECH	PR_35000_ST & LT	Supply, Installation, Testing & Commissioning of projector complete with ST/LT lens, capable of delivering 35000 ISO lumens brightness with 4K native resolution (4096 × 2160) in 17:9 aspect ratio. The projector shall utilize 1DLP projection technology with solid-state laser light source, providing long operational life of approximately 20,000 hours with minimal maintenance. The system shall support high contrast ratio, accurate color reproduction and edge blending/warping capability suitable for immersive displays and projection mapping applications. The projector shall include HDMI and HDBaseT inputs, LAN connectivity for control and monitoring, and compatibility with standard control systems. The scope shall include necessary mounting accessories, power cables, signal cables, alignment, calibration, installation, testing and commissioning, complete in all respects to ensure proper operation as per approved drawings and site requirements.	EACH
-----	------	------------------	---	------

498	TECH	PR_50000_0.38 RT	Supply, Installation, Testing & Commissioning of 4K RGB ultra-short throw projection system complete with 0.38RT ultra-short throw lens, capable of delivering approximately 50,000 ISO lumens brightness with native 4K resolution (4096 × 2160) and 17:9 aspect ratio. The projector shall utilize 3DLP® technology with RGB pure laser illumination, providing high brightness, wide color gamut and long operational life of approximately 20,000 hours with minimal maintenance. The system shall support advanced image processing features including edge blending, geometric correction, warping and projection mapping for immersive visual environments and large display applications. The projector shall include professional input interfaces such as HDMI/DisplayPort, HDBaseT, LAN connectivity for remote control and monitoring, and compatibility with standard AV control platforms. The scope shall include projector, 0.38RT ultra-short throw lens, mounting accessories, power and signal cabling, installation, calibration, testing and commissioning, complete in all respects as per approved drawings and site requirements.	EACH
-----	------	---------------------	--	------

499	TECH	PR_50000_ST & LT	Supply, Installation, Testing & Commissioning of 4K RGB ultra-high brightness projection system complete with Standard Throw / Long Throw (ST & LT) lens, capable of delivering approximately 50,000 ISO lumens brightness with native 4K resolution (4096 × 2160) in 17:9 aspect ratio. The projector shall employ 3DLP® imaging technology with RGB pure laser illumination, providing exceptional color performance, high contrast ratio and stable brightness over a long operational life of approximately 20,000 hours. The system shall support advanced image processing functions including warping, edge blending, geometric correction and projection mapping, suitable for large venue projection, immersive installations and simulation applications. The projector shall provide professional connectivity including HDMI/DisplayPort inputs, HDBaseT, network control via LAN and integration with standard control systems. The scope shall include projector, ST/LT lens assembly, mounting hardware, signal and power cabling, installation, alignment, calibration, testing and commissioning, complete as per approved drawings and site requirements.	EACH
500	TECH	PR_GOBO	Supply, Installation, Testing & Commissioning of Gobo Projector, a high-performance 200 W LED projection unit. The projector shall be equipped with an LED chip delivering approximately 22,000 lumens with a color temperature range of 3000–9000 K.	EACH
501	TECH	PRESENTER	Supply, Installation, Testing and Commissioning of wireless presenter with integrated laser pointer, slide control functions (next/previous), USB receiver, and compatible with standard presentation software; complete with batteries, accessories, and configuration as required.	EACH
502	TECH	PRINTER	Supply, Installation, Testing & Commissioning of Laser Printer with print, scan and copy functionality, supporting Ethernet connectivity, high-resolution output and standard paper handling capacity suitable for office applications.	EACH

503	TECH	PRODUCTION SWITCHER	Supply, installation, testing & commissioning of professional video production switcher (live video mixer) with minimum 4–8 video inputs (HDMI/SDI as required), supporting HD/4K resolution, real-time switching with transitions and effects, multi-view output and integrated audio mixing with built-in streaming/recording capability via Ethernet/USB, compatibility with standard VC/streaming platforms, and control via front panel/software; complete with power supply, cabling, configuration, and all necessary accessories for seamless live production and presentation, as required.	EACH
504	TECH	PROJECTOR FISHEYE LENS	Supply, Installation, Testing & Commissioning of fisheye projection lens compatible with the proposed projector, suitable for dome, immersive or curved surface projection applications, complete with mounting accessories, alignment, calibration and all necessary hardware for seamless integration and operation, as required.	EACH
505	TECH	PROXIMITY FLOOR SENSOR	Supply, Installation, Testing & Commissioning of industrial-grade Proximity Sensor utilizing photoelectric detection technology with reliable switching output and adjustable sensing range, complete with required cabling and mounting accessories.	EACH
506	TECH	PTZ CAMERA	Supply, Installation, Testing & Commissioning of high-definition PTZ (Pan-Tilt-Zoom) camera, featuring minimum Full HD resolution, 5x or higher optical zoom, smooth pan/tilt movement, auto-focus, low-light performance, and wide field of view. The camera shall support various output, compatible with major video conferencing platforms, and include wall/ceiling mount brackets, necessary cabling, power supply, and integration with AV/control systems. Complete as per site requirements and specifications.	EACH
507	TECH	RETRACTABLE SCREEN	Supply, installation, testing & commissioning of motorized retractable conference table display unit, approx. 15-inch FHD screen, flush-mounted in table with lift mechanism, tilt adjustment, HDMI/USB inputs, complete with power supply, cabling, mounting hardware, and all accessories as required.	EACH

508	TECH	ROBOTIC KIT	A modular robotics kit designed for hands-on learning, prototyping, and demonstration of automation concepts, comprising programmable controllers, sensors, actuators, and mechanical components. The system supports basic to intermediate robotics applications, including movement control, obstacle detection, and task automation, with compatibility for visual or code-based programming interfaces. It enables users to build, test, and operate robotic models, fostering understanding of STEM principles, logic development, and real-world automation systems in an interactive and scalable manner.	EACH
509	TECH	ROBOTS	Supply, Installation, Testing & Commissioning of working robotic system, comprising programmable robot unit with controller, sensors, actuators, power supply, control interface and necessary software; including fabrication/integration of base structure, wiring, programming, calibration, testing and demonstration of functional operations; complete with all accessories, mounting arrangements, safety provisions and documentation; ready for operation in all respects as per specifications and approved design.	EACH
510	TECH	SCREEN CASTING DEVICE	Supply, installation, testing & commissioning of wireless screen casting device (Miracast/AirPlay compatible) for sharing audio/video content from laptops/mobile devices to display units (TV/projector), supporting minimum Full HD output, Wi-Fi connectivity (Wi-Fi Direct or network-based), HDMI interface, and plug-and-play operation; complete with power supply, adapters, configuration, and all necessary accessories for seamless presentation and collaboration, as required.	EACH
511	TECH	SERVER RACK 12U	Supply, Installation, Testing and Commissioning of 12U server rack with adjustable rails lockable glass front door perforated rear door ventilation with fan complete with PDU, cable manager, mounting hardware, shelves, and all accessories, including installation and testing as required.	EACH
512	TECH	SERVER RACK 22U	Supply, Installation, Testing and Commissioning of 22U server rack with adjustable rails, lockable glass front door, perforated rear door, ventilation with fan, complete with PDU, cable manager, mounting hardware, shelves, and all accessories, including installation and testing as required.	EACH

513	TECH	SERVER RACK 32U	Supply, Installation, Testing and Commissioning of 32U server rack with adjustable rails, lockable glass front door, perforated rear door, ventilation with fan, complete with PDU, cable manager, mounting hardware, shelves, and all accessories, including installation and testing as required.	EACH
514	TECH	SERVER RACK 42U	Supply, Installation, Testing and Commissioning of 42U server rack with adjustable rails, lockable glass front door, perforated rear door, ventilation with fan, complete with PDU, cable manager, mounting hardware, shelves, and all accessories, including installation and testing as required.	EACH
515	TECH	SHOW_AUDIO_ 1	Supply, installation, testing & Comissioning of 2-Way / 3-Way 1 x 15" LF; All-Weather High-Power Loudspeaker with Power rating 600W Continuous at 8 Ohms; Coverage 90° x 50°; Rotatable waveguide for vertical or horizontal orientation; Should support Frequency Range : 36Hz-20kHz ormore; Coverage Pattern (H) : 80 to 90 degree; Coverage Pattern (V): 40 to 50 degree or better; Power rating (pk): 2400W orbetter, Nominal Impedance: 8Ohms; should also support 70v/100V speaker connectivity with multiple power tapping 400W (max.); Max SPL (peak): HF 134dB or more, System Sensitivity (1W @ 1m): 100dB ormore; should supplied with OEM specific mounting bracket, etc.	EACH
516	TECH	SHOW_AUDIO_ 10	SITC of Multichannel Digital Network Based Power Amplifier with 1250W - 1300W ormore per channel @ 8 Ohms power output; should have four or more inputs and outputs analog audio channels; Should support 70Vrms and 100Vrms output on all output channels; THD 0.35% orbetter; Should support Cooling Continuously variable speed forced air; Voltage Gain 34dB ormore; Digital audio bus compatibility up to 8 or more audio channel; Should have bridgeable channels even for 100Vrms mode to operate with 200Vrms output; 2digital audio bus RJ 45 port; 1 Ethernet RJ45 port for monitoring and configuration; Should have DSP features Incl. Limiters, Input/output EQ, Delay, Matrix Mixer, Speaker Line Monitoring; Damping Factor >1500 ormore; etc	EACH

517	TECH	SHOW_AUDIO_2	Supply, installation, testing & Comissioning of 2-Way / 3-Way 1 x 15" LF; All-Weather High-Power Loudspeaker; Should have PEAK Power rating 2400W - 2800W at 8 Ohms; Coverage should eb 120° x 60° or better; Rotatable waveguide for vertical or horizontal orientation; Frequency Range should be 36Hz-20kHz or better; Nominal Impedance: 8 Ohms / 10 Ohms; should have multiple power tapping including 400W or above at 70V/100V; Should have PEAK Max SPL 134dB - 137dB or above, System Sensitivity Should be 100dB - 103B or better; should be supplied along with OEM specific mounting bracket, etc.	EACH
518	TECH	SHOW_AUDIO_3	SITC of All-Weather Compact 2-Way Coaxial Loudspeaker with 1 x 15" or more LF Driver; Should have Highly weather-resistant IP56 rating; Coverage : 90x90deg ormore; Components: 380 mm (15 in) ormore woofer with Kevlar-reinforced cone and 75 mm (3 in) voice coil, 38 mm (1.5 in) diaphragm compression driver; Should support overload protection; Frequency Range (-10 dB) : 54Hz–19kHz orbetter; Frequency Response (±3 dB) : 82Hz–19kHz orbetter; Long-Term 100hrs System Power Rating (pk): 2000W or more; Sensitivity (2.83V @ 1m): 98dB - 101dB ormore; Maximum SPL (pk): 131dB - 134B ormore; Should support Transformer Taps (70V/100V): Minimum three power tapping including 300W or better; Enclosure: ABS with Glass enclosure; Attachment: Two M10; Grille: Corrosion-resistant zinc-rich extra-thick powder coated steel grille, 3-layer assembly with foam and woven poly mesh backing; Input Connection: CE-compliant covered barrier strip terminals; Environmental: IP56 per IEC529 or better; etc.	EACH
519	TECH	SHOW_AUDIO_4	SITC of Flying, Outdoor Rated dual 18" LF or more high power subwoofer; Frequency Range (-10 dB) 28Hz to 1kHz ormore; Frequency Response (± 3 dB) 41 Hz to 1.0kHz or more; System Sensitivity (dB-SPL, 1W @ 1m)-102dB orbetter; Maximum SPL (pk) 141dB or better; Long-Term System Power Rating - (pk): 6400W or better; etc.	EACH

520	TECH	SHOW_AUDIO_5	SITC of Powered 5.25" Two-Way Studio Monitor ,INPUT SENSITIVITY : (-10dBV INPUT) 92dB / 1m ,Power Configuration: Bi-amplified , HF DRIVER POWER AMP : 41W, Class-D , LF DRIVER POWER AMP : 41W, Class-D , FREQUENCY RESPONSE (±3dB): 49Hz – 20kHz , Frequency Range (-10dB): 43Hz – 24kHz , LOW FREQUENCY EXTENSION (-10dB): 43Hz , MAXIMUM CONTINUOUS SPL: 94dB , Maximum Peak SPL: 108dB , MAXIMUM PEAK INPUT LEVEL(-: 10dBV / +4dBu) +6dBV / +20.3dBu , SYSTEM DISTORTION CRITERIA : <10% THD at maximum output with full compressor / limiter engagement , ELECTRICAL DISTORTION CRITERIA : 0.2% THD @ 1kHz / 2.83VRMS output; <1% THD @ 1kHz, full rated output; Signal to Noise Ratio 75dBA (A-Weighted), 70dBr (unweighted), relative to 2.83VRMS output ,COVERAGE HORIZONTAL x VERTICAL : 120° x 90°; etc.	EACH
521	TECH	SHOW_AUDIO_6	SITC of 24-channel or more digital mixer/USB multi-track recorder with wireless control and renowned quality and performance; Built-in dual-band Wi-Fi eliminates the need for a router to provides a reliable connection to up to 10 mobile devices in mission critical situations; Should support controls from iOS, Android, Windows, Mac OS and Linux browsers without installing additional apps; Should support record and mix with the warmth of 20 professional-quality Studer-designed preamps; Industry standard, compression and iconic reverb and delay processing; 2 channels of guitar amp modeling; Dual-path, redundant multi-track recording of all 24 inputs to USB drive and connected Mac/PC; 24 simultaneous inputs (10 combo ¼" TRS/XLR or better, 10 XLR, 2 line level, 2 digital); 4-band parametric EQ, high-pass filter, compressor, de-esser, and noise gate on input channels; 31-band graphic EQ, noise gate, compressor, and Automatic Feedback Suppression on all outputs; Real-time frequency analyzer (RTA) on inputs and outputs; Compatible with Mac/PC DAWs and other music software; Compatible with Harman Connected PA application and system for easier setup and control; Should be 4U rackmount design; etc.	EACH

522	TECH	SHOW_AUDIO_7	SITC of Networked Digital Signal Processor with 12 -16 or above inputs and 8 - 10 or above outputs; should have 12 - 14 Control Inputs and 6 - 8 Logic Outputs for GPIO Integration; 48V phantom power on all analog inputs; THD: <0.01% 20Hz to 20KHz; Crosstalk: <-75dB or better; Open architecture software configurable; Separate logic processing power; Should have built-in 2 x RJ45 ports compatible with Dante / AES67 / any proprietary protocol for audio signal Inputs & Outputs routing digitally over an ethernet / CATX cable; 1 Ethernet port for Monitoring and configuration; Capable to handle +5V unloaded logic output voltage; Should have speech sense engine; Capable to control 3rd party devices with TCP IP and RS232; Should have 1nos of RS 232 port for integration with control System; Should have Bi-Directional Locate Functionality; Should have 48 or more digital audio Channel Bus; Should have monitoring LED for COM, STAT, ERR and PWR; etc.	EACH
523	TECH	SHOW_AUDIO_8	SITC of 8x8 channel USB Audio Bridge. It should be capable to transfer Minimum 8 Input or more and 8 output or more digital audio channel to DSP from any PC or Mac. Should support variable DIP switch settings for audio channel assignment; Sample Rates: 48kHz, 96kHz or better; To avoid any compatibility issue(s), it has to be supplied by the same OEM of above digital Signal Processor; etc.	EACH
524	TECH	SHOW_AUDIO_9	SITC of Multichannel Digital Network Based Power Amplifier with 2400W - 2500W or more per channel @ 4 Ohms power output; should have Four or more inputs and outputs analog audio channels; should support 70Vrms and 100Vrms output on all output channels; THD 0.35% or better; Should support Cooling Continuously variable speed forced air; Voltage Gain 34dB or more; Digital audio bus compatibility up to 8 or more audio channel; Should have bridgeable channels even for 100Vrms mode to operate with 200Vrms Output; 2 digital audio bus RJ45 port; 1 Ethernet RJ45 port for monitoring and configuration; Should have DSP features incl. Limiters, Input/output EQ, Delay, Matrix Mixer, Speaker Line Monitoring; Damping Factor >5000 or more; etc.	EACH

525	TECH	SHOW_LIGHT_1	SITC of LED Source Weather Proof IP66 Moving Head : Light source: LED >650w, 6500K, more than 25,000 lumens and full CMYC color mixing. The fixture must have a minimum LED lifetime of 20000 hrs(to >70% luminous output).Beam Angle:Narrow Beam Min.6 deg to 40 deg , Display On board control, Pan/Tilt rotation : 540°/270° (8-16bit) , Rotating Gobo : 7 gobos plus open, wheel rotation, gobo rotation, indexing and shake. Gobo animation and flow effects included.Additional static gobo wheel with 8+open gobos with index rotation and shake.Color mixing: CMY, independently variable 0-100% Color wheel: 7 color filters plus open.CTC Control from 6500K - 2700K.Rotatable framing module, +/-60° , with 4 individually controllable full framing blades with variable angle and position. Prism: 2 rotating/indexing prisms (4-facet circular prism and 6-facet linear) Frost: Soft frost effect and heavy frost effect included , Focus:Motorized. RDM , DMX512 , IP65+ and C5-M rated.	EACH
526	TECH	SHOW_LIGHT_2	Supply, Installation, Testing and Commissioning of DMX Splitter & Booster, Input Voltage- DC 12-24V input, 100-240V, 24VDC plug-in power adaptor included Power Consumption 5W max. Housing is made of Polycarbonate, Surface mount or DIN-rail mountable, Operation Temperature - 10°C ~ +35°C,Output Six 3pin terminal sockets , Connections Two piece compression screw terminals , Protection Rating IP20.supports bi-directional communications for discovery, addressing and DMX control of products. This unit takes the incoming DMX/RDM signal and splits the signal into six separate output channels allowing for expanding the number of devices controlled from 32 to 6 X 32. The output terminals are electronically isolated from the input & RDM-through port and share a common ground reference. All six output ports have an independent output driver to boost the DMX/RDM signal etc. as reqd. (Note: All the peripheral accessories including vertical / Horizontal mountings arrangement including special tools and equipments for installation are included in the Item rates.)	EACH

527	TECH	SHOW_LIGHT_3	Supply, installation, testing & Commissioning of 2X512 DMX 512 Controller and synchronization with the existing DMX controller, Input Power 5-5.5V DC 0.6A, Output Protocol DMX512, Programmability Windows, Mac OS, iOS, Android, Connections Type C USB, XLR3, Ethernet, HE20, battery Memory microSD SD & SDHC, Environment IP20. 0°C - 50°C, Buttons 10 buttons for direct access, 2 buttons to change scene, + 1 button to change zone Dimensions 160x90x45mm 268g, OS Requirements Mac OS X 10.8-10.15, Windows 7/8/10 64bit Standards EC, EMC, ROHS. Make- Nicolaudie, Pharos, Madrix, Color Kinetics	EACH
528	TECH	SHOW_LIGHT_4	Supply, installation, testing & Commissioning of DMX Special cable (single pair) having one 22AWG pair stranded (7x30) tinned copper conductors, Datalene (FHDPE) insulation, twisted pairs, overall Beldfoil shield (100% coverage) plus tinned copper braid, PVC jacketCable. Beldon make or equivalent.	EACH
529	TECH	SHOW_LIGHT_5	Supply, installation, testing & Commissioning of 5 pin DMX male connector	EACH
530	TECH	SHOW_LIGHT_6	Supply, installation, testing & Commissioning of 5 pin DMX female connector	EACH
531	TECH	SHOW_LIGHT_7	Programming, Testing, Troubleshooting and synchronization of DMX control system.The addressing of fixtures with the multiple scenes(atleast 20Themes) as per instruction of engineer in charge.	EACH
532	TECH	SHOW_LIGHT_8	Supply, installation, testing & Commissioning of enclosure for Power Supply, Splitter, DMX Controller : Plain sides, grey cover, Degree of protection: IP 66/ IP 67, Impact strenght: IK 08, Material, base: Fiberglass reinforced polycarbonate, Material, cover: Polycarbonate, Material, cover screws: Polyamide, Material, gasket: Polyurethane, Colour: RAL 7035	EACH
533	TECH	STRETCH TV 37	Supply, Installation, Testing & Commissioning of 37" Stretch Display suitable for digital signage applications, featuring high brightness, wide viewing angle, supporting HDMI and required connectivity interfaces.	EACH
534	TECH	STRETCH TV 86	Supplying, installation testing & commissioning of 86"Stretch LCD -Back Lit LED panel suitable for digital signage applications, featuring high brightness, wide viewing angle, supporting HDMI and required connectivity interfaces.	EACH

535	TECH	STYLUS	Supply, installation, testing, and commissioning (SITC) of Digital stylus pens used for writing or interacting with digital whiteboards and walls.	EACH
536	TECH	TABLET	Supplying, Installation, testing & commissioning of Tablet with 8GB RAM and 128GB internal storage, featuring a 10.9-inch display (2304 × 1440 resolution), Wi-Fi 6 and Bluetooth connectivity, back cover, tempered glass, charger, necessary accessories, configuration, testing and commissioning as required, ready for operation.	EACH
537	TECH	TOUCH TV 15.6	Supply, Installation, Testing & Commissioning of 15.6-inch Touch Display Monitor with Full HD resolution (1920 × 1080) LED-backlit LCD panel and 10-point projected capacitive multi-touch technology. The monitor shall have anti-glare screen, brightness around 220 cd/m ²	EACH
538	TECH	TOUCH TV 22	Supply, Installation, Testing & Commissioning of 22-inch Touch Display comprising LED backlit panel with Full HD resolution and inbuilt projected capacitive multi-touch functionality. The display shall support HDMI input for video signal and USB interface for touch connectivity	EACH
539	TECH	TOUCH TV 32	Supply, Installation, Testing & Commissioning of 32-inch Touch Display Monitor with Full HD resolution (1920 × 1080) LED-backlit panel and projected capacitive multi-touch technology supporting up to 10-point touch. The display shall provide high brightness suitable for commercial indoor applications, anti-glare surface, wide viewing angles, and reliable continuous operation.	EACH
540	TECH	TOUCH TV 55	Supply, Installation, Testing & Commissioning of 55-inch Touch Display comprising LED-backlit LCD panel with 4K UHD resolution, minimum 250 nits brightness and inbuilt multi-touch functionality, supporting HDMI input and required connectivity interfaces.	EACH
541	TECH	TOUCH TV 65	Supply, Installation, Testing & Commissioning of 65-inch Touch Display with 4K UHD resolution, LED-backlit LCD panel, minimum 350 nits brightness and inbuilt multi-touch functionality, complete with required mounting accessories.	EACH
542	TECH	TOUCH TV 86	Supply, Installation, Testing & Commissioning of 86-inch Touch Display comprising LED-backlit LCD panel with 4K UHD resolution, minimum 350 nits brightness and inbuilt multi-touch functionality, supporting HDMI and necessary connectivity interfaces, complete with required mounting accessories.	EACH

543	TECH	TV 24	Supply, Installation, Testing & Commissioning of 24-inch Display comprising LED-backlit LCD panel with FULLHD resolution and minimum 250 nits brightness, supporting HDMI and required connectivity interfaces.	EACH
544	TECH	TV 32	Supply, Installation, Testing & Commissioning of 32-inch Display comprising LED-backlit LCD panel with FULLHD resolution and minimum 250 nits brightness, supporting HDMI and required connectivity interfaces.	EACH
545	TECH	TV 43	Supply, Installation, Testing & Commissioning of 43-inch Display comprising LED-backlit LCD panel with 4K UHD resolution and minimum 250 nits brightness, supporting HDMI and required connectivity interfaces.	EACH
546	TECH	TV 55	Supply, Installation, Testing & Commissioning of 55-inch LED display monitor with 4K UHD resolution (3840 × 2160) LED-backlit panel designed for continuous commercial display applications. The display shall provide high brightness suitable for indoor environments, anti-glare screen, wide viewing angles, and high contrast ratio for clear image quality.	EACH
547	TECH	TV 65	Supply, Installation, Testing & Commissioning of 65-inch Display (TV 65) comprising LED-backlit LCD panel with 4K UHD resolution and minimum 250 nits brightness, supporting HDMI and required connectivity interfaces.	EACH
548	TECH	TV 85	Supply, Installation, Testing & Commissioning of 85-inch Display comprising LED-backlit LCD panel with 4K UHD resolution and minimum 250 nits brightness, supporting HDMI and required connectivity interfaces.	EACH
549	TECH	TV 98	Supply, Installation, Testing & Commissioning of 98-inch Display comprising LED-backlit LCD panel with 4K UHD resolution and minimum 250 nits brightness, supporting HDMI and required connectivity interfaces.	EACH
550	TECH	ULTRAWIDE CAMERA	Supply, Installation, Testing & Commissioning of Ultra-Wide Conference Camera with 4K Ultra HD video resolution, ultra-wide field of view, and high-quality image sensor for clear video capture. The camera shall support automatic framing and image optimization, and shall provide USB connectivity for video output compatible with standard conferencing systems.	EACH

551	TECH	UPS KIOSK	Supply, Installation, Testing & Commissioning of 1600VA online UPS with inbuilt battery backup, pure sine wave output, automatic voltage regulation, complete with all accessories, cabling and connections as required.	EACH
552	TECH	UPS STANDALONE	Supply, Installation, Testing & Commissioning of 2 kVA UPS (min. 1600W) with pure sine wave output, inbuilt/external SMF batteries, backup of minimum 15–30 minutes, input 140–300V AC, output 230V, complete with AVR/double conversion, protections, indicators, and communication ports. Including all accessories, wiring, connections, testing, commissioning, and 1–2 year warranty, complete as directed.	EACH
553	TECH	VC CONTROLLER	Supply, installation, testing & commissioning of video conferencing (VC) controller unit for centralized control and management of VC system components, supporting integration with camera(s), microphone(s), display(s), DSP and conferencing platform, with user control interface (touch panel/software), network connectivity, and compatibility with standard VC protocols; complete with power supply, mounting, programming/configuration, cabling, and all necessary accessories for seamless operation, as required.	EACH
554	TECH	VC MICROPHONE	Supply, Installation, Testing and Commissioning of digital conference microphone unit with gooseneck microphones, integrated loudspeaker, push-to-talk functionality, LED indication, and high-quality audio pickup with low noise and feedback suppression. The microphones shall be unidirectional/high-directive type suitable for conference use, with clear speech intelligibility and minimal interference. System shall be complete with all cables, power supply, accessories, installation, configuration, and testing, as required.	EACH
555	TECH	VR HEADSET	Supply, Installation, Testing & Commissioning of VR Headset comprising high-resolution dual display panels with advanced motion tracking, integrated audio system and wireless connectivity, supporting immersive virtual reality applications through compatible hardware.	EACH
556	TECH	WEB CAMERA	Supply, Installation, Testing & Commissioning of Full HD USB web camera with integrated microphone, autofocus, minimum 1080p resolution, suitable for video conferencing and online communication, complete with mounting accessories and all required connections, as required.	EACH

557	WALL FINISH	ACOUSTIC WALL PANELING	Providing and fixing Acoustic Wall Paneling comprising 12 mm thick sound-absorbing panels with TREC 180 acoustic performance rating and factory-finished charcoal grey surface, designed for effective reverberation control and noise reduction.	SQM
558	WALL FINISH	EXTERIOR PAINT	Providing & Applying exterior paint on plastered wall surfaces including POP punning, wall putty, primer and finishing coats of paint to achieve a smooth, durable and dust-resistant finish. The work shall include Plaster of Paris (POP) punning of average thickness 3–4 mm to level the surface. Over the prepared surface, two coats of exterior grade wall putty of approximately 1–1.5 mm thickness per coat shall be applied with proper sanding to obtain a smooth and even finish. After surface preparation, one coat of suitable exterior primer shall be applied, followed by two finishing coats of paint of approved shade, applied by brush/roller/spray as per manufacturer's specifications to achieve uniform coverage and finish.	SQM
559	WALL FINISH	FABRIC PANELING	Providing and fixing acoustic fabric wrapped panels comprising 9 mm thick PET acoustic panels wrapped with approved quality acoustic fabric of selected shade and pattern, neatly stretched and fixed using concealed fastening system over prepared wall/partition surface. The panels shall be suitable for both straight and curved surface applications as per approved design and layout. The item shall include necessary backing framework/supports (if required), adhesives, fasteners, edge finishing with aluminium/wooden trims or profiles as per design, cutting, alignment, pattern matching, surface preparation, protection of adjacent finishes, scaffolding (if required), labour, wastage and complete installation as per approved drawings and instructions of the Engineer-in-Charge. Wall/finished panel surface area shall be measured in Sq.m for payment.	SQM
560	WALL FINISH	PROJECTION PAINT	Preparation and application of paint finish in approved shade, including base preparation on plywood/HDHMR surfaces. The work shall include surface cleaning, sanding, putty application, primer, and final paint coats to achieve a smooth and uniform finish. All materials, labour, tools, and accessories required for proper application shall be included.	SQM
561	WALL FINISH	VINYL GRAPHIC	Provision & fixing of high quality 3m vinyl prints on Wall Paneling (ply/mdf/hdhmr) (flat/curved) with matte lamination; surface to be treated with putty and paint to make suitable surface for pasting the vinyl.	SQM

562	WALL FINISH	WALL PAINT DUCO	Providing and applying Duco paint finish on prepared wall surfaces, comprising surface preparation including cleaning, scraping, putty application, sanding and primer coat; followed by spray application of approved make Duco paint in required number of coats to achieve smooth, uniform and high-gloss/matt finish as specified, including necessary scaffolding, protection of adjacent surfaces, touch-ups, materials, labour and complete execution as per approved shade and instructions of Engineer-in-Charge.	SQM
563	WALL FINISH	WALL PAINT INTERIOR	Providing and applying two or more coats of Premium quality luxury Emulsion Paint of approved make & shade over 2 coats of primer and 2 coats of putty on the internal partition/wall/ceilings masonry concrete surfaces. Paint shall be applied with a roller, brush, or spray in accordance with the manufacturer's specifications, ensuring uniform coverage and sheen. Colour shade as per the approved design. Item to include all material, labour and carriage in all leads, scaffolding and lifts, scaffolding complete.	SQM
564	WALL FINISH	WALLPAPER	Providing & Fixing Custom Designed Premium Wallpaper of approved design, pattern and finish, having 3D visual texture/feel, manufactured from high-quality durable wallpaper material such as vinyl/non-woven or equivalent premium grade, suitable for interior wall applications. The work shall include trimming of edges, finishing around corners, electrical fixtures and openings, ensuring a neat and uniform finish. The scope shall include all materials, adhesives, labour, surface preparation, installation and finishing, complete in all respects as per approved design, drawings and directions of the Engineer-in-Charge.	SQM
565	FITOUT	SHAKE TABLE	Motion simulation platform designed to recreate seismic vibrations, structural movement, and dynamic environmental effects for immersive demonstrations, training simulations, and experiential installations. Includes programmable motion control, synchronized operation, and structural safety integration.	EACH
566	TECH	SMOKE GENERATOR	Professional atmospheric smoke/fog generation system used to create controlled visual effects for simulation environments, immersive experiences, safety demonstrations, and special effects applications. Includes fluid-based output control and integration with show systems.	EACH
567	TECH	OSCILLOSCOPE	Electronic diagnostic and waveform visualization instrument used for monitoring, analyzing, and measuring electrical signals, frequencies, and voltage variations during testing, calibration, and educational demonstrations.	EACH

568	TECH	HAM RADIO	Amateur radio communication system designed for long-range wireless communication, emergency communication demonstrations, training purposes, and live radio interaction activities. Includes transceiver unit, antenna interface, and communication accessories.	EACH
569	TECH	HAPTIC SUIT	Wearable immersive feedback system providing tactile and sensory response through vibration and motion feedback for virtual reality, simulation training, and interactive experiential applications. Includes body-mounted feedback modules and software integration capability.	EACH
570	TECH	THERMAL IMAGING CAMERA	Infrared-based imaging device used for detecting and visualizing heat signatures, temperature variations, and thermal patterns for surveillance, inspection, safety demonstrations, and educational applications. Includes real-time thermal display and image capture functionality.	EACH
571	SOFTWARE	AI-POWERED INTELLIGENT INTERACTION PLATFORM	Design, development, deployment, integration, testing, and commissioning of an AI-driven conversational interaction platform leveraging Large Language Models (LLMs), Natural Language Processing (NLP), and Retrieval-Augmented Generation (RAG) frameworks to enable contextual text and voice-based assistance. The platform shall support multilingual communication, intelligent knowledge retrieval, domain-specific information processing, user query resolution, guided interactions, analytics integration, and seamless interoperability with digital systems and databases.	PER LICENSE
572	SOFTWARE	INTERACTIVE VIRTUAL REALITY EXPERIENCE PLATFORM	Design, development, deployment, integration, testing, and commissioning of an immersive virtual reality platform delivering interactive first-person digital experiences for training, education, tourism, cultural interpretation, simulation, and experiential engagement applications. The platform shall support standalone VR headset ecosystems, motion-based interaction, spatial audio environments, dynamic scene navigation, multilingual content delivery, and modular content management architecture enabling future content updates and operational scalability without full application redevelopment. Quantity measured per VR headset unit.	PER LICENSE
573	TECH	UPS 360W	Supply, installation, testing and commissioning of 600VA/360W UPS	EACH
574	SOFTWARE	CENTRALISED MANAGEMENT & ANALYTICS SYSTEM	A unified, web-based software platform for centralized administration, user and access management, learning analytics, content management, reporting, MIS monitoring, and ticketing support operations. The platform shall provide role-based secure access (Admin, School Admin, Teacher, etc.), centralized repository and management of VR/content assets, real-time monitoring dashboards, student performance	PER LICENSE

			analytics, automated reporting capabilities, and issue tracking with SLA-based resolution management for all deployed systems and locations.	
--	--	--	--	--

Note: All the Software should be complied with DPDP Act, ISO 27001 & CERT-In and an audit may be conducted at the discretion of the end client.

Annexure-XXIV

Form 1 Table A:

UID	ITEM	QTY.	UOM	Unit Cost (B)	GST (%)	GST (in Rs.) (C)	Total Unit Cost (in Rs.) D=B+C	Total Cost =A*D (In Rs.)
1	AMPLIFIER I	1.00	EACH					
2	AMPLIFIER II	1.00	EACH					
3	AMPLIFIER III	1.00	EACH					
4	AMPLIFIER IV	1.00	EACH					
5	AMPLIFIER V	1.00	EACH					
6	AMPLIFIER VI	1.00	EACH					
7	AUDIO DIRECTIONAL	1.00	EACH					
8	CEILING SPEAKER	1.00	EACH					
9	CEILING SUBWOOFER	1.00	EACH					
10	DSP I	1.00	EACH					
11	DSP II	1.00	EACH					
12	HIGH CEILING SPEAKER I	1.00	EACH					
13	LOUDSPEAKER I	1.00	EACH					
14	LOUDSPEAKER II	1.00	EACH					
15	LOUDSPEAKER III	1.00	EACH					
16	PENDENT SPEAKER	1.00	EACH					
17	PENDENT SUBWOOFER	1.00	EACH					
18	SUBWOOFER I	1.00	EACH					
19	SUBWOOFER II	1.00	EACH					
20	CCTV CONDUIT	1.00	MTRS					
21	CCTV LAN CABLE	1.00	BOXES					
22	CCTV LAN PORT	1.00	EACH					
23	CCTV PATCH CORD	1.00	EACH					
24	CCTV PATCH PANEL	1.00	EACH					
25	CCTV PVC BACK BOX	1.00	EACH					
26	CCTV WORK	1.00	SQM					
27	DOME CAMERA	1.00	EACH					
28	HDD	1.00	EACH					
29	HDMI SWITCHER	1.00	EACH					
30	NVR	1.00	EACH					
31	POE SWITCH	1.00	EACH					
32	ACOUSTIC CEILING	1.00	SQM					
33	BAFFLE CEILING	1.00	SQM					

34	CUSTOM CEILING	1.00	SQM					
35	GRID CEILING MFT	1.00	SQM					
36	GYPSUM CEILING	1.00	SQM					
37	HEXAGON PANEL CEILING	1.00	SQM					
38	METAL GRID CEILING	1.00	SQM					
39	STRETCH BACKLIT CEILING	1.00	SQM					
40	WOODEN RAFTER CEILING	1.00	SQM					
41	WOODEN SLATS CEILING	1.00	SQM					
42	BRICK WALL	1.00	CUM					
43	INTERACTIVE AR VISUALIZATION CONTENT	1.00	PER CONTENT					
44	COLLABORATIVE MULTI-USER VR CONTENT MODULE	1.00	PER CONTENT					
45	CONTENT 3D	1.00	PER CONTENT					
46	CONTENT AR	1.00	PER CONTENT					
47	CONTENT HOLOGRAPHIC ANIMATION	1.00	PER CONTENT					
48	CONTENT INTERACTIVE EXHIBIT	1.00	PER CONTENT					
49	CONTENT MOTION GRAPHIC	1.00	PER CONTENT					
50	CONTENT SHOOT	1.00	PER SHOOT DAY					
51	CONTENT STATIC GRAPHIC	1.00	SQM					
52	CONTENT VR	1.00	PER CONTENT					
53	GROUP VR CONTENT	1.00	PER CONTENT					
54	HOLOGRAPHIC THREE- DIMENSIONAL ANIMATION	1.00	PER MIN					

55	INTERACTIVE EXHIBIT CONTENT DEVELOPMENT	1.00	PER CONTENT					
56	SCRIPT	1.00	PER MIN					
57	THREE-DIMENSIONAL ANIMATED CONTENT MODULE	1.00	PER MIN					
58	TWO-DIMENSIONAL MOTION CONTENT MODULE	1.00	PER MIN					
59	VIRTUAL REALITY 360 ENVIRONMENT	1.00	PER CONTENT					
60	ELECTRICAL WORKS	1.00	SQM					
61	ELECTRICAL WORKS PROJECTION SHOW	1.00	SQM					
62	FLOOR PROFILE LIGHTS	1.00	RMT					
63	UPS	1.00	KVA					
64	FIRE DETECTION & ALARM SYSTEM	1.00	SQM					
65	FIRE EXTINGUISHER ABC TYPE	1.00	EACH					
66	FIRE EXTINGUISHER CO2 TYPE	1.00	EACH					
67	ACRYLIC LETTER CUT-OUT	1.00	SQM					
68	AR KIOSK	1.00	EACH					
69	ARTIFACT BOX 1200X450	1.00	EACH					
70	ARTIFACT PEDESTAL (450X450X750)	1.00	EACH					
71	ARTISTIC SEATING STOOL	1.00	EACH					
72	AUDIO GUIDE HEADPHONE RACK	1.00	EACH					
73	AUDIO GUIDE RACK	1.00	EACH					

74	AUTOMATIC SLIDING DOOR	1.00	EACH					
75	BACKLIT FRAMES	1.00	SQM					
76	BENCH 2 SEATER	1.00	EACH					
77	BENCH 3 SEATER	1.00	EACH					
78	BLINDS	1.00	SQM					
79	CENTER TABLE	1.00	EACH					
80	CHAIR REVOLVING	1.00	EACH					
81	CIVIL SUB- STRUCTURE	1.00	SQM					
82	CLASSROOM TABLE	1.00	EACH					
83	COLONIAL INLAY MAP WITH PLATFORM	1.00	SQM					
84	CONFERENCE TABLE	1.00	RMT					
85	CONTROL ROOM	1.00	EACH					
86	CURTAINS SET	1.00	SQM					
87	DECORATIVE HANGING LIGHT	1.00	EACH					
88	DISCUSSION TABLE	1.00	EACH					
89	FLIPBOOK KIOSK	1.00	EACH					
90	FLUSH DOOR DOUBLE LEAF	1.00	EACH					
91	FRP WORK - COLUMN	1.00	SQM					
92	FRP WORK - WALL MURAL	1.00	SQM					
93	GLASS DOOR DOUBLE LEAF	1.00	EACH					
94	GLASS POD	1.00	EACH					
95	GLASS RAILING	1.00	RMT					
96	GLASS TUBE PRODUCT DISPLAY	1.00	EACH					
97	HANDWRITING KIOSK	1.00	EACH					
98	INTERIOR WORKS	1.00	SQM					
99	KIOSK 16	1.00	EACH					
100	KIOSK 22	1.00	EACH					
101	KIOSK 32	1.00	EACH					
102	KIOSK 55	1.00	EACH					
103	KIOSK 65	1.00	EACH					
104	KIOSK 85	1.00	EACH					
105	LED CEILING STRUCTURE	1.00	SQM					

106	LED FRAMEWORK	1.00	SQM					
107	LEVITATION KIOSK	1.00	EACH					
108	MANNEQUIN FRP	1.00	EACH					
109	MANNEQUIN HYPER REALISTIC	1.00	EACH					
110	MANNEQUINS PEDESTAL (600X450X300)	1.00	EACH					
111	MOTION SEATS	1.00	CHAIR					
112	MULTISENSORY PLATFORM	1.00	SQM					
113	PARTITION WALL - ALUMINIUM WORK	1.00	SQM					
114	PARTITION WALL - HDHMR WORK	1.00	SQM					
115	PARTITION WALL - MS WORK	1.00	SQM					
116	PARTITION WALL - WOOD WORK	1.00	SQM					
117	PHOTO FRAMES	1.00	SQM					
118	PODIUM	1.00	EACH					
119	POLYCARBONATE SHEET	1.00	SQM					
120	PRODUCT DISPLAY NICHE - 1	1.00	EACH					
121	PRODUCT DISPLAY NICHE - 2	1.00	EACH					
122	PRODUCT DISPLAY NICHE - 3	1.00	EACH					
123	PRODUCT DISPLAY TABLE - 1	1.00	EACH					
124	PRODUCT DISPLAY TABLE - 2	1.00	EACH					
125	PRODUCT DISPLAY TABLE - 3	1.00	EACH					
126	PRODUCT WALL DISPLAY - 1	1.00	EACH					
127	PROFILE LIGHT	1.00	RMT					
128	PROJECTION FILM	1.00	EACH					
129	PROJECTION SCREEN	1.00	SQM					
130	PROJECTOR ENCLOSURE	1.00	EACH					
131	PROJECTOR TOWER	1.00	EACH					
132	QUEUE MANAGER	1.00	EACH					

133	RECEPTION DESK	1.00	EACH					
134	RECEPTION DESK SMALL	1.00	EACH					
135	SCENOGRAPHY	1.00	SQM					
136	SCRIM SCREEN	1.00	SQM					
137	SEATING STOOL	1.00	EACH					
138	SEG	1.00	SQM					
139	SERVICE DOOR	1.00	EACH					
140	SIDE TABLE	1.00	EACH					
141	SIGNAGE	1.00	SQM					
142	SOFA 3 SEATER	1.00	EACH					
143	SOFA SINGLE SEATER	1.00	EACH					
144	SS RAILING	1.00	RMT					
145	TABLET KIOSK	1.00	EACH					
146	TOUCH GLASS	1.00	SQM					
147	TOUCH TABLE (2X1)	1.00	EACH					
148	TOUCH TABLE (3X1)	1.00	EACH					
149	TRANSPARENT SCREEN 86"	1.00	EACH					
150	TRIPOD	1.00	EACH					
151	TV COVER 55	1.00	EACH					
152	TV COVER 65	1.00	EACH					
153	TV COVER 86	1.00	EACH					
154	TV COVER 98	1.00	EACH					
155	TV FRAME 55	1.00	EACH					
156	TV FRAME 65	1.00	EACH					
157	TV FRAME 85	1.00	EACH					
158	TV FRAME 98	1.00	EACH					
159	VISITOR CHAIR	1.00	EACH					
160	VR KIOSK	1.00	EACH					
161	VR SEATING	1.00	EACH					
162	WALL PAINTING	1.00	SQM					
163	WOODEN BALUSTER	1.00	EACH					
164	WOODEN LOUVER PARTITION	1.00	SQM					
165	WOODEN PLATFORM 100MM	1.00	SQM					
166	WOODEN PLATFORM 300MM	1.00	SQM					
167	WOODEN RAILING	1.00	RMT					

168	WORKING DESK	1.00	EACH					
169	ALUMINIUM SKIRTING	1.00	RMT					
170	FLOOR GUARD	1.00	SQM					
171	FLOORING CARPET	1.00	SQM					
172	FLOORING ENGINEERED MARBLE	1.00	SQM					
173	FLOORING EPOXY	1.00	SQM					
174	FLOORING GRANITE DARK	1.00	SQM					
175	FLOORING GRANITE LIGHT	1.00	SQM					
176	FLOORING GRANITE OUTDOOR FLAMED	1.00	SQM					
177	FLOORING MARBLE INDIAN WHITE	1.00	SQM					
178	FLOORING MARBLE ITALIAN BEIGE	1.00	SQM					
179	FLOORING MARBLE ITALIAN DARK	1.00	SQM					
180	FLOORING MICRO CONCRETING	1.00	SQM					
181	HVAC - DUCTABLE	1.00	TR					
182	HVAC - VRV/VRF	1.00	TR					
183	BROADBAND INTERNET	1.00	PER YEAR					
184	COB LED DOWN LIGHTER 10W	1.00	EACH					
185	COB LED DOWN LIGHTER 6W	1.00	EACH					
186	COVE LIGHT	1.00	RMT					
187	LED BATTENS	1.00	RMT					
188	LED SURFACE MOUNTED DOWNLIGHTER	1.00	EACH					
189	LIGHTING TRACK 1M	1.00	EACH					
190	LIGHTING TRACK 2M	1.00	EACH					
191	LIGHTING WORKS	1.00	SQM					
192	SPOT LIGHT	1.00	EACH					
193	2D ANIMATOR / MOTION GRAPHICS ARTIST	1.00	HOURS					

194	3D ARTIST / ANIMATOR (JUNIOR)	1.00	HOURS					
195	3D ARTIST / ANIMATOR (SENIOR)	1.00	HOURS					
196	AI/ML ENGINEER (JUNIOR)	1.00	HOURS					
197	AI/ML ENGINEER (SENIOR)	1.00	HOURS					
198	AI/ML LEAD	1.00	HOURS					
199	AV MEDIA PROGRAMMER	1.00	HOURS					
200	AV SYSTEMS DESIGNER	1.00	HOURS					
201	AV TECHNICIAN (JUNIOR)	1.00	HOURS					
202	AV TECHNICIAN (SENIOR)	1.00	HOURS					
203	BACK-END DEVELOPER (JUNIOR)	1.00	HOURS					
204	BACK-END DEVELOPER (SENIOR)	1.00	HOURS					
205	BUSINESS ANALYST	1.00	HOURS					
206	CHIEF TECHNOLOGY OFFICER / TECHNICAL LEAD	1.00	HOURS					
207	COMMERCIAL & CONTRACTS EXECUTIVE	1.00	HOURS					
208	COMPUTER VISION ENGINEER	1.00	HOURS					
209	CONTENT CURATOR	1.00	HOURS					
210	CONTENT LEAD / SENIOR SCRIPTWRITER	1.00	HOURS					
211	CONTENT RESEARCHER	1.00	HOURS					
212	CONTENT STRATEGIST/ CREATIVE DIRECTOR	1.00	HOURS					

213	Customer Support & Helpdesk Executive	1.00	MONTH					
214	CYBER SECURITY ANALYST	1.00	HOURS					
215	DATA ANALYST / BI DEVELOPER	1.00	HOURS					
216	DATA ENGINEER	1.00	HOURS					
217	DATABASE ADMINISTRATOR	1.00	HOURS					
218	DELIVERY COORDINATOR	1.00	HOURS					
219	DEVOPS ENGINEER (JUNIOR)	1.00	HOURS					
220	DEVOPS ENGINEER (SENIOR)	1.00	HOURS					
221	DOCUMENTATION & COMPLIANCE SPECIALIST	1.00	HOURS					
222	ELECTRICAL TECHNICIAN	1.00	HOURS					
223	EXPERIENCE DESIGNER / MUSEOGRAPHER	1.00	HOURS					
224	FRONT-END DEVELOPER (JUNIOR)	1.00	HOURS					
225	FRONT-END DEVELOPER (SENIOR)	1.00	HOURS					
226	FULL STACK DEVELOPER	1.00	HOURS					
227	GIS SPECIALIST	1.00	HOURS					
228	GRAPHIC DESIGNER (JUNIOR)	1.00	HOURS					
229	GRAPHIC DESIGNER (SENIOR)	1.00	HOURS					
230	HELPDESK EXECUTIVE	1.00	HOURS					
231	INFRASTRUCTURE ARCHITECT	1.00	HOURS					
232	INSTALLATION SPECIALIST	1.00	HOURS					
233	INSTALLATION TECHNICIAN	1.00	HOURS					

234	MIS & Reporting Analyst	1.00	MONTH					
235	MOBILE APP DEVELOPER (ANDROID)	1.00	HOURS					
236	MOBILE APP DEVELOPER (iOS)	1.00	HOURS					
237	NETWORK ENGINEER (JUNIOR)	1.00	HOURS					
238	NETWORK ENGINEER (SENIOR)	1.00	HOURS					
239	NLP SPECIALIST	1.00	HOURS					
240	OPERATIONS ENGINEER (JUNIOR)	1.00	HOURS					
241	OPERATIONS ENGINEER (SENIOR)	1.00	HOURS					
242	PHOTOGRAPHER / VIDEOGRAPHER	1.00	HOURS					
243	PROCUREMENT MANAGER	1.00	HOURS					
244	PROGRAMME DIRECTOR	1.00	HOURS					
245	PROJECT MANAGER (JUNIOR)	1.00	MONTH					
246	PROJECT MANAGER (SENIOR)	1.00	MONTH					
247	PROJECTION MAPPING SPECIALIST	1.00	HOURS					
248	QA ENGINEER (JUNIOR)	1.00	HOURS					
249	QA ENGINEER (SENIOR)	1.00	HOURS					
250	QUALITY ASSURANCE MANAGER	1.00	HOURS					
251	SCRIPTWRITER / CONTENT WRITER	1.00	HOURS					

252	SHOW PROGRAMMER / CONTROL SYSTEMS SPECIALIST	1.00	HOURS					
253	SITE ENGINEER (ON- SITE)	1.00	MONTH					
254	SITE MANAGER	1.00	HOURS					
255	SITE SUPERVISOR	1.00	HOURS					
256	SOLUTION ARCHITECT	1.00	HOURS					
257	SOUND DESIGNER/ MUSIC COMPOSER	1.00	HOURS					
258	STORYBOARD ARTIST	1.00	HOURS					
259	TECH LEAD	1.00	HOURS					
260	TRAINER / TECHNICAL INSTRUCTOR	1.00	HOURS					
261	TRAINING LEAD	1.00	HOURS					
262	TRANSLATOR / MULTILINGUAL CONTENT SPECIALIST	1.00	HOURS					
263	UI DESIGNER (JUNIOR)	1.00	HOURS					
264	UI DESIGNER (SENIOR)	1.00	HOURS					
265	UNITY DEVELOPER (JUNIOR)	1.00	HOURS					
266	UNITY DEVELOPER (SENIOR)	1.00	HOURS					
267	UNREAL ENGINE DEVELOPER	1.00	HOURS					
268	UX RESEARCHER / INTERACTION DESIGNER	1.00	HOURS					
269	VIDEO EDITOR (JUNIOR)	1.00	HOURS					
270	VIDEO EDITOR (SENIOR)	1.00	HOURS					
271	VOICEOVER ARTIST	1.00	HOURS					
272	VR / AR CONTENT INTEGRATOR	1.00	HOURS					
273	ACCESS POINT	1.00	EACH					
274	APLIC	1.00	EACH					

275	CAT CORD 1M	1.00	EACH					
276	CAT CORD 3M	1.00	EACH					
277	CAT IO	1.00	EACH					
278	CAT PATCH PANEL	1.00	EACH					
279	CAT6 UPT CABLE	1.00	RMT					
280	NETWORKING DEVICE FOR SCHOOL LAB	1.00	EACH					
281	NETWORKING WORKS	1.00	SQM					
282	NETWORKING WORKS PROJECTION SHOW	1.00	SQM					
283	ROUTER	1.00	EACH					
284	SW12POE	1.00	EACH					
285	SW24	1.00	EACH					
286	PUBLIC ADDRESS SYSTEM	1.00	SQM					
287	EVENT MANAGEMENT	1.00	SQM					
288	INSTALLATION SYSTEM INTEGRATION & CALIBRATION	1.00	EACH					
289	OCR SCANNING	1.00	EACH					
290	PROFESSIONAL VOICEOVER	1.00	MIN					
291	SURVEYING	1.00	SQM					
292	SYSTEM CONFIGURATION, SYNCHRONISATION AND TESTING	1.00	EACH					
293	TEACHER TRAINING & ENABLEMENT	1.00	PER SCHOOL					
294	TRAINING & CAPACITY BUILDING	1.00	EACH					
295	360-DEGREE ENVIRONMENT CONTROL SYSTEM	1.00	PER LICENSE					
296	ADAPTIVE ASSESSMENT AND QUIZ PLATFORM	1.00	PER LICENSE					

297	ADVANCED DATA INTELLIGENCE PLATFORM	1.00	PER LICENSE					
298	AI ART GENERATION MODULE	1.00	PER LICENSE					
299	AI CHATBOT WITH 3D CHARACTER / HOLOBOX	1.00	PER LICENSE					
300	AI CONTENT MODERATION PLATFORM	1.00	PER LICENSE					
301	AI DOCUMENT DRAFTER	1.00	PER LICENSE					
302	AI HOLOGRAM	1.00	PER LICENSE					
303	AI POWERED SOFTWARE	1.00	PER LICENSE					
304	AR APPLICATION	1.00	PER LICENSE					
305	AR/VR TRAINING MODULE	1.00	PER LICENSE					
306	AUDIO GUIDE SOFTWARE	1.00	PER LICENSE					
307	AUGMENTED REALITY OVERLAY APPLICATION	1.00	PER LICENSE					
308	AUTOMATED ASSESSMENT GENERATION SYSTEM	1.00	PER LICENSE					
309	AUTOMATED CONTENT SCREENING PLATFORM	1.00	PER LICENSE					
310	AUTOMATED REPORTING AND MIS PLATFORM	1.00	PER LICENSE					
311	BESPOKE FUNCTIONAL MODULE	1.00	PER LICENSE					
312	BI TOOL / ADMIN DASHBOARD	1.00	PER LICENSE					
313	CAMPAIGN & CITIZEN ENGAGEMENT PORTAL	1.00	PER LICENSE					

314	CENTRALISED POLICY KNOWLEDGE REPOSITORY	1.00	PER LICENSE					
315	CENTRALIZED ADMIN DASHBOARD	1.00	PER LICENSE					
316	CITIZEN SERVICES MOBILE APPLICATION	1.00	PER LICENSE					
317	COLLABORATIVE TASK MANAGEMENT PLATFORM	1.00	PER LICENSE					
318	CONTENT CREATION SOFTWARE	1.00	PER LICENSE					
319	CONTENT MANAGEMENT SYSTEM (CMS) FOR SCHOOLS	1.00	PER LICENSE					
320	CONVERSATIONAL INTELLIGENCE ENGINE	1.00	PER LICENSE					
321	CONVERSATIONAL SMART MIRROR SYSTEM	1.00	PER LICENSE					
322	CUSTOM BUILD MODULE	1.00	PER LICENSE					
323	DATA ANALYSIS SOFTWARE	1.00	PER LICENSE					
324	DIGITAL VISITOR NARRATION SYSTEM	1.00	PER LICENSE					
325	DOCUMENT DIGITISATION AND RECOGNITION ENGINE	1.00	PER LICENSE					
326	DYNAMIC WEB APPLICATION PLATFORM	1.00	PER LICENSE					
327	EDUCATIONAL HOLOGRAPHIC VISUALISATION SYSTEM	1.00	PER LICENSE					

328	EMERGING TECHNOLOGY LEARNING ECOSYSTEM	1.00	PER LICENSE					
329	EXHIBIT AND CONTENT OPERATIONS CENTRE	1.00	PER LICENSE					
330	FEEDBACK SOFTWARE	1.00	PER LICENSE					
331	FUTUREVERSE SOFTWARE	1.00	PER LICENSE					
332	GAMES & INTERACTIVE GAMES	1.00	PER LICENSE					
333	GENERATIVE VISUAL CREATION ENGINE	1.00	PER LICENSE					
334	GESTURE-RESPONSIVE EXHIBIT FRAMEWORK	1.00	PER LICENSE					
335	GIS & ANALYTICS SOFTWARE	1.00	PER LICENSE					
336	GOVERNMENT / GOVERNANCE WEBSITE	1.00	PER LICENSE					
337	HIGH-CONCURRENCY BROADCAST PLATFORM	1.00	PER LICENSE					
338	HOLOGRAM SOFTWARE	1.00	PER LICENSE					
339	HOLOGRAPHIC CONTENT CONTROL SYSTEM	1.00	PER LICENSE					
340	HRMS	1.00	PER LICENSE					
341	IMMERSIVE ROOM SOFTWARE	1.00	PER LICENSE					
342	IMMERSIVE SCENARIO TRAINING SUITE	1.00	PER LICENSE					
343	IMMERSIVE VIRTUAL ENVIRONMENT APPLICATION	1.00	PER LICENSE					

344	IMMERSIVE VR SIMULATOR	1.00	PER LICENSE					
345	INSTITUTIONAL DIGITAL ASSET MANAGEMENT SYSTEM	1.00	PER LICENSE					
346	INSTITUTIONAL WEB PRESENCE PLATFORM	1.00	PER LICENSE					
347	INTEGRATED DIGITAL PLATFORM	1.00	PER LICENSE					
348	INTELLIGENT AVATAR EXPERIENCE SYSTEM	1.00	PER LICENSE					
349	INTELLIGENT DOCUMENT AUTHORIZING TOOL	1.00	PER LICENSE					
350	INTERACTIVE GAMIFICATION EXPERIENCE	1.00	PER LICENSE					
351	INTERACTIVE QUIZ ENGINE	1.00	PER LICENSE					
352	INTERACTIVE SOFTWARE	1.00	PER LICENSE					
353	LEARNER PERFORMANCE INTELLIGENCE DASHBOARD	1.00	PER LICENSE					
354	LEARNING ANALYTICS DASHBOARD	1.00	PER LICENSE					
355	LIVE STREAMING PLATFORM	1.00	PER LICENSE					
356	MAGIC MIRROR	1.00	PER LICENSE					
357	MAPPING LICENSE	1.00	PER LICENSE					
358	MOBILE APPLICATION	1.00	PER LICENSE					
359	MOCK TEST GENERATOR	1.00	PER LICENSE					
360	MOTION-LINKED VR SIMULATOR SYSTEM	1.00	PER LICENSE					

361	MULTI-TIER ACCESS GOVERNANCE SYSTEM	1.00	PER LICENSE					
362	MULTIMEDIA PRODUCTION PLATFORM	1.00	PER LICENSE					
363	MUSEUM MANAGEMENT SYSTEM (MMS / CMS)	1.00	PER LICENSE					
364	NATIONAL CAMPAIGN PARTICIPATION PORTAL	1.00	PER LICENSE					
365	OCR & IMAGE RECOGNITION SOFTWARE	1.00	PER LICENSE					
366	OPERATIONS INTELLIGENCE DASHBOARD	1.00	PER LICENSE					
367	PERSONALISED MEDIA CAPTURE AND OUTPUT SYSTEM	1.00	PER LICENSE					
368	PHOTO & VIDEO EXPERIENCE SOFTWARE	1.00	PER LICENSE					
369	POLICY & DOCUMENT ANALYZER	1.00	PER LICENSE					
370	POLICY RESERVOIR	1.00	PER LICENSE					
371	PRODUCTION SHOW CONTROL SYSTEM	1.00	PER LICENSE					
372	PROJECTION MAPPING	1.00	PER LICENSE					
373	PROJECTOR SURFACE ALIGNMENT	1.00	PER LICENSE					
374	REAL-TIME WEB APPLICATION	1.00	PER LICENSE					
375	REGULATORY DOCUMENT INTELLIGENCE TOOL	1.00	PER LICENSE					

376	REPORTING & MIS SYSTEM	1.00	PER LICENSE					
377	SCHEDULED MEDIA PLAYBACK MANAGER	1.00	PER LICENSE					
378	SERVICE REQUEST AND SUPPORT TRACKING SYSTEM	1.00	PER LICENSE					
379	SHOW CONTROL SOFTWARE	1.00	PER LICENSE					
380	SPATIAL DATA AND ANALYTICS ENGINE	1.00	PER LICENSE					
381	STORYBOARDING & DASHBOARD DEVELOPMENT	1.00	PER LICENSE					
382	SURFACE PROJECTION CALIBRATION SYSTEM	1.00	PER LICENSE					
383	TASK MANAGEMENT SOFTWARE	1.00	PER LICENSE					
384	TICKETING & BOOKING SOFTWARE	1.00	PER LICENSE					
385	TICKETING & SUPPORT MANAGEMENT SYSTEM	1.00	PER LICENSE					
386	UNIFIED DEPLOYMENT MONITORING CONSOLE	1.00	PER LICENSE					
387	UNIFIED ECOSYSTEM MANAGEMENT PLATFORM	1.00	PER LICENSE					
388	USER & ACCESS MANAGEMENT SYSTEM	1.00	PER LICENSE					
389	VENUE BOOKING AND RESERVATION SYSTEM	1.00	PER LICENSE					
390	VIDEO ON LOOP (VOL) SOFTWARE	1.00	PER LICENSE					

391	VISITOR SENTIMENT COLLECTION SYSTEM	1.00	PER LICENSE					
392	VISUAL NARRATIVE AND DASHBOARD PLATFORM	1.00	PER LICENSE					
393	VR APPLICATION	1.00	PER LICENSE					
394	WINDOWS LICENSE	1.00	PER LICENSE					
395	WORKFORCE MANAGEMENT SYSTEM	1.00	PER LICENSE					
396	3D PRINTER	1.00	EACH					
397	3D PRINTING	1.00	GRAM					
398	AI ENABLED CAMERA	1.00	EACH					
399	AI HOLOBOX 65	1.00	EACH					
400	AI HOLOBOX 86	1.00	EACH					
401	AI SERVER 320GB	1.00	EACH					
402	AI SERVER 640GB	1.00	EACH					
403	AI SERVER 80GB	1.00	EACH					
404	APPLE TV	1.00	EACH					
405	ARCHIVAL SCANNING	1.00	PAGE					
406	AUDIO CARD	1.00	EACH					
407	AUDIO GUIDE	1.00	EACH					
408	BIOMETRIC WEARABLE DEVICE	1.00	EACH					
409	CAMERA 4K	1.00	EACH					
410	CAMERA DSLR	1.00	EACH					
411	CEILING MIC	1.00	EACH					
412	COMPACT CPU	1.00	EACH					
413	COMPUTER SETUP	1.00	EACH					
414	CPU I9 48GB	1.00	EACH					
415	CPU ULTRA7 04GB	1.00	EACH					
416	CPU ULTRA7 08GB	1.00	EACH					
417	CPU ULTRA7 16GB	1.00	EACH					
418	CPU ULTRA7 24GB	1.00	EACH					
419	CPU ULTRA9 24GB	1.00	EACH					
420	DRONE	1.00	EACH					
421	DRONE KIT	1.00	EACH					
422	ELECTRONICS KIT	1.00	EACH					
423	ENTERPRISE SERVER	1.00	EACH					

424	FISH EYE LENS	1.00	EACH					
425	FRAME TV 55	1.00	EACH					
426	GPU 8GB	1.00	EACH					
427	HANDWRITING ROBOT	1.00	EACH					
428	HDMI SWITCHER	1.00	EACH					
429	HEADPHONE	1.00	EACH					
430	HOLOFAN 1000 DIA	1.00	EACH					
431	HOLOFAN 800 DIA	1.00	EACH					
432	IMAC	1.00	EACH					
433	IPAD	1.00	EACH					
434	IR TOUCH 2	1.00	EACH					
435	IR TOUCH 3	1.00	EACH					
436	IR TOUCH 4	1.00	EACH					
437	IR TOUCH 6	1.00	EACH					
438	IR TOUCH 8	1.00	EACH					
439	JOYSTICKS	1.00	EACH					
440	KEYBOARD MOUSE	1.00	EACH					
441	KINECT CONTROLLER	1.00	EACH					
442	KINETIC DROP INSTALLATION	1.00	BALLS					
443	KINETIC LED	1.00	SQM					
444	KINETIC RING INSTALLATION	1.00	EACH					
445	KIOSK SERVER/ GPU WORKSTATION	1.00	EACH					
446	LAPTOP	1.00	EACH					
447	LASER LIGHTING	1.00	EACH					
448	LEDHEMISPHERE P1.25	1.00	EACH					
449	LEDHEMISPHERE P1.56	1.00	EACH					
450	LEDSPHERE P1.25	1.00	EACH					
451	LEDSPHERE P1.56	1.00	EACH					
452	LEDWALL P0.9375	1.00	SQM					
453	LEDWALL P1.56	1.00	SQM					
454	LEDWALL P2.5	1.00	SQM					
455	LEDWALL P4	1.00	SQM					
456	LEDWALLT P2.6_6.9	1.00	SQM					
457	LEVITATION MODULE	1.00	EACH					

458	LFD 55 0.88MM	1.00	EACH					
459	LFD 55 3.5MM	1.00	EACH					
460	LIDAR SCANNER	1.00	SQM					
461	M2M SIM CARD	1.00	EACH					
462	MACBOOK	1.00	EACH					
463	MIC CONTROLLER	1.00	EACH					
464	MICROPHONE	1.00	EACH					
465	MONI 24	1.00	EACH					
466	MONI 27	1.00	EACH					
467	MONI 32	1.00	EACH					
468	MOTION CONTROLLER	1.00	EACH					
469	MR HEADSET	1.00	EACH					
470	PR_05000_0.25	1.00	EACH					
471	PR_07150_1.25- 2.0	1.00	EACH					
472	PR_08500_1.25- 2.0	1.00	EACH					
473	PR_09500_0.37RT	1.00	EACH					
474	PR_09500_0.65- 0.75	1.00	EACH					
475	PR_09500_0.75- 0.95	1.00	EACH					
476	PR_09600_0.65- 0.75	1.00	EACH					
477	PR_09600_1.25- 2.0	1.00	EACH					
478	PR_10000_0.37RT	1.00	EACH					
479	PR_10000_0.55- 0.65	1.00	EACH					
480	PR_10000_1.25-2.0	1.00	EACH					
481	PR_14250_0.37RT	1.00	EACH					
482	PR_14250_0.55- 0.65	1.00	EACH					
483	PR_14250_1.25-2.0	1.00	EACH					
484	PR_16000_0.46RT	1.00	EACH					
485	PR_16000_0.78- 0.95	1.00	EACH					
486	PR_16000_1.13- 1.8	1.00	EACH					
487	PR_18000_0.38RT	1.00	EACH					
488	PR_18000_ST & LT	1.00	EACH					
489	PR_21000_0.38RT	1.00	EACH					
490	PR_21000_ST & LT	1.00	EACH					

491	PR_24000_0.38RT	1.00	EACH					
492	PR_24000_ST & LT	1.00	EACH					
493	PR_25000_0.38RT	1.00	EACH					
494	PR_25000_ST & LT	1.00	EACH					
495	PR_31000_ST & LT	1.00	EACH					
496	PR_35000_0.38RT	1.00	EACH					
497	PR_35000_ST & LT	1.00	EACH					
498	PR_50000_0.38RT	1.00	EACH					
499	PR_50000_ST & LT	1.00	EACH					
500	PR_GOBO	1.00	EACH					
501	PRESENTER	1.00	EACH					
502	PRINTER	1.00	EACH					
503	PRODUCTION SWITCHER	1.00	EACH					
504	PROJECTOR FISHEYE LENS	1.00	EACH					
505	PROXIMITY FLOOR SENSOR	1.00	EACH					
506	PTZ CAMERA	1.00	EACH					
507	RETRACTABLE SCREEN	1.00	EACH					
508	ROBOTIC KIT	1.00	EACH					
509	ROBOTS	1.00	EACH					
510	SCREEN CASTING DEVICE	1.00	EACH					
511	SERVER RACK 12U	1.00	EACH					
512	SERVER RACK 22U	1.00	EACH					
513	SERVER RACK 32U	1.00	EACH					
514	SERVER RACK 42U	1.00	EACH					
515	SHOW_AUDIO_1	1.00	EACH					
516	SHOW_AUDIO_10	1.00	EACH					
517	SHOW_AUDIO_2	1.00	EACH					
518	SHOW_AUDIO_3	1.00	EACH					
519	SHOW_AUDIO_4	1.00	EACH					
520	SHOW_AUDIO_5	1.00	EACH					
521	SHOW_AUDIO_6	1.00	EACH					
522	SHOW_AUDIO_7	1.00	EACH					
523	SHOW_AUDIO_8	1.00	EACH					
524	SHOW_AUDIO_9	1.00	EACH					
525	SHOW_LIGHT_1	1.00	EACH					
526	SHOW_LIGHT_2	1.00	EACH					
527	SHOW_LIGHT_3	1.00	EACH					
528	SHOW_LIGHT_4	1.00	EACH					
529	SHOW_LIGHT_5	1.00	EACH					
530	SHOW_LIGHT_6	1.00	EACH					
531	SHOW_LIGHT_7	1.00	EACH					

532	SHOW_LIGHT_8	1.00	EACH					
533	STRETCH TV 37	1.00	EACH					
534	STRETCH TV 86	1.00	EACH					
535	STYLUS	1.00	EACH					
536	TABLET	1.00	EACH					
537	TOUCH TV 15.6	1.00	EACH					
538	TOUCH TV 22	1.00	EACH					
539	TOUCH TV 32	1.00	EACH					
540	TOUCH TV 55	1.00	EACH					
541	TOUCH TV 65	1.00	EACH					
542	TOUCH TV 86	1.00	EACH					
543	TV 24	1.00	EACH					
544	TV 32	1.00	EACH					
545	TV 43	1.00	EACH					
546	TV 55	1.00	EACH					
547	TV 65	1.00	EACH					
548	TV 85	1.00	EACH					
549	TV 98	1.00	EACH					
550	ULTRAWIDE CAMERA	1.00	EACH					
551	UPS KIOSK	1.00	EACH					
552	UPS STANDALONE	1.00	EACH					
553	VC CONTROLLER	1.00	EACH					
554	VC MICROPHONE	1.00	EACH					
555	VR HEADSET	1.00	EACH					
556	WEB CAMERA	1.00	EACH					
557	ACOUSTIC WALL PANELING	1.00	SQM					
558	EXTERIOR PAINT	1.00	SQM					
559	FABRIC PANELING	1.00	SQM					
560	PROJECTION PAINT	1.00	SQM					
561	VINYL GRAPHIC	1.00	SQM					
562	WALL PAINT DUCO	1.00	SQM					
563	WALL PAINT INTERIOR	1.00	SQM					
564	WALLPAPER	1.00	SQM					
565	SHAKE TABLE	1.00	EACH					
566	SMOKE GENERATOR	1.00	EACH					
567	OSCILLOSCOPE	1.00	EACH					
568	HAM RADIO	1.00	EACH					
569	HAPTIC SUIT	1.00	EACH					
570	THERMAL IMAGING CAMERA	1.00	EACH					

571	AI-POWERED INTELLIGENT INTERACTION PLATFORM	1.00	PER LICENSE					
572	INTERACTIVE VIRTUAL REALITY EXPERIENCE PLATFORM	1.00	PER LICENSE					
573	UPS 360W	1.00	EACH					
574	CENTRALISED MANAGEMENT & ANALYTICS SYSTEM	1.00	PER LICENSE					
Total in Rs.(incl. GST)								

Table B: AMC Cost after 3 years on onsite comprehensive warranty (in percentage).

S.No.	Particulars	Per Year(in percentage)
1	On-site comprehensive warranty cost of Museum/Centre/Lab etc. Solutions/Setups cost.	

Table C: Cloud-based GPU Compute Services Cost as per requirement (Per Hour).

(This service is optional, and EdCIL may utilize the services of GPU computing through its empanelled agencies, specifically for Cloud Services.)

S.No.	Particulars	Cost(in Rs.)	GST%	GST(in Rs.)	Total Cost (in Rs.)
1	Provision of GPU compute on an hourly billing model to power Large Language Model inference, AI/ML training, and model serving workloads — offering scalable, on-demand compute capacity. Minimum Specifications(NVIDIA H100 ARCHITECHURE, 8GPUs, Memory/GPU 80GB, Server RAM 2TB DDR5, Storage 32 TB NVMe)				

Table D: Integrated Infrastructure Support Services Cost as per requirement(in percentage).

S.No.	Particulars	Per Year(in percentage)
1	Cost of end-to-end services for sustaining the operational effectiveness, availability, and performance of the deployed infrastructure through periodic review, upkeep activities, system oversight, diagnostics, optimization measures, update management, and coordination of technical interventions for Museum/Centre/Lab etc.(to be measured in percentage of solution/Setup Cost.)	

Note:

- For the financial evaluation purpose, rates quoted at total of “Table A” alone will be considered for tender evaluation purpose.

- The rates of Table B, C & D should also be mandatorily quoted.
- The above prices shall be inclusive of all taxes, delivery charges and installation charges at the schools/Institutions/Centres/Client Locations.
- The above prices shall be inclusive of three years onsite comprehensive warranty and AMC.
- Details of Schools/Institutions/Client Locations will be provided to the Successful Bidder.
- Applicable deduction on payment will be made for TDS/GST.
- Validity of Offer: The offer should remain valid at least for a period of 180 days to be reckoned from the date of bid opening.
- The above prices shall include three years on site comprehensive warranty and AMC.
- All other incidental charges relating to transportation of equipments at the site shall be included in the above prices.
- No amount towards TA / DA and lodging, boarding or incidental to execution of the project shall be paid.
- The bidder who is Lowest in total cost of Table A shall be declared as L1 bidder.
- The successful bidder, identified as L1, will be required to match their pricing with the lowest item price submitted by participating bidders. This process will determine the final pricing for the rate contract.
- In the course of project implementation, should additional items or components be necessarily required to operationalize the project and ensure its successful completion, financial quotations for such items or components will be solicited from the selected bidder. These prices will be assessed in relation to prevailing market rates or the most recently accepted rates prior to issuing a work order for the necessary items to finalize the project.
- The Bidder who is quoting for financial bid has to mandatorily quote for each item of BoQ. Otherwise, the bid shall be summarily rejected.

Place:

Date:

Signature and Stamp of the Bidder

Name:

Designation:

Annexure-XXV

MAF to be submitted:

UID	ITEM	MAF(Yes/No)
1	AMPLIFIER I	Yes
2	AMPLIFIER II	Yes
3	AMPLIFIER III	Yes
4	AMPLIFIER IV	Yes
5	AMPLIFIER V	Yes
6	AMPLIFIER VI	Yes
7	AUDIO DIRECTIONAL	No
8	CEILING SPEAKER	Yes
9	CEILING SUBWOOFER	Yes
10	DSP I	Yes
11	DSP II	Yes
12	HIGH CEILING SPEAKER I	Yes
13	LOUDSPEAKER I	Yes
14	LOUDSPEAKER II	Yes
15	LOUDSPEAKER III	Yes
16	PENDENT SPEAKER	Yes
17	PENDENT SUBWOOFER	Yes
18	SUBWOOFER I	Yes
19	SUBWOOFER II	Yes
20	CCTV CONDUIT	No
21	CCTV LAN CABLE	No
22	CCTV LAN PORT	No
23	CCTV PATCH CORD	No
24	CCTV PATCH PANEL	No
25	CCTV PVC BACK BOX	No
26	CCTV WORK	No
27	DOME CAMERA	No
28	HDD	No
29	HDMI SWITCHER	No
30	NVR	No
31	POE SWITCH	No
32	ACOUSTIC CEILING	No
33	BAFFLE CEILING	No
34	CUSTOM CEILING	No
35	GRID CEILING MFT	No
36	GYP SUM CEILING	No
37	HEXAGON PANEL CEILING	No
38	METAL GRID CEILING	No
39	STRETCH BACKLIT CEILING	No
40	WOODEN RAFTER CEILING	No
41	WOODEN SLATS CEILING	No

42	BRICK WALL	No
43	INTERACTIVE AR VISUALIZATION CONTENT	No
44	COLLABORATIVE MULTI-USER VR CONTENT MODULE	No
45	CONTENT 3D	No
46	CONTENT AR	No
47	CONTENT HOLOGRAPHIC ANIMATION	No
48	CONTENT INTERACTIVE EXHIBIT	No
49	CONTENT MOTION GRAPHIC	No
50	CONTENT SHOOT	No
51	CONTENT STATIC GRAPHIC	No
52	CONTENT VR	No
53	GROUP VR CONTENT	No
54	HOLOGRAPHIC THREE-DIMENSIONAL ANIMATION	No
55	INTERACTIVE EXHIBIT CONTENT DEVELOPMENT	No
56	SCRIPT	No
57	THREE-DIMENSIONAL ANIMATED CONTENT MODULE	No
58	TWO-DIMENSIONAL MOTION CONTENT MODULE	No
59	VIRTUAL REALITY 360 ENVIRONMENT	No
60	ELECTRICAL WORKS	No
61	ELECTRICAL WORKS PROJECTION SHOW	No
62	FLOOR PROFILE LIGHTS	No
63	UPS	No
64	FIRE DETECTION & ALARM SYSTEM	No
65	FIRE EXTINGUISHER ABC TYPE	No
66	FIRE EXTINGUISHER CO2 TYPE	No
67	ACRYLIC LETTER CUT-OUT	No
68	AR KIOSK	No
69	ARTIFACT BOX 1200X450	No
70	ARTIFACT PEDESTAL (450X450X750)	No
71	ARTISTIC SEATING STOOL	No
72	AUDIO GUIDE HEADPHONE RACK	No
73	AUDIO GUIDE RACK	No
74	AUTOMATIC SLIDING DOOR	No
75	BACKLIT FRAMES	No
76	BENCH 2 SEATER	No
77	BENCH 3 SEATER	No
78	BLINDS	No
79	CENTER TABLE	No
80	CHAIR REVOLVING	No

81	CIVIL SUB-STRUCTURE	No
82	CLASSROOM TABLE	No
83	COLONIAL INLAY MAP WITH PLATFORM	No
84	CONFERENCE TABLE	No
85	CONTROL ROOM	No
86	CURTAINS SET	No
87	DECORATIVE HANGING LIGHT	No
88	DISCUSSION TABLE	No
89	FLIPBOOK KIOSK	No
90	FLUSH DOOR DOUBLE LEAF	No
91	FRP WORK - COLUMN	No
92	FRP WORK - WALL MURAL	No
93	GLASS DOOR DOUBLE LEAF	No
94	GLASS POD	No
95	GLASS RAILING	No
96	GLASS TUBE PRODUCT DISPLAY	No
97	HANDWRITING KIOSK	No
98	INTERIOR WORKS	No
99	KIOSK 16	No
100	KIOSK 22	No
101	KIOSK 32	No
102	KIOSK 55	No
103	KIOSK 65	No
104	KIOSK 85	No
105	LED CEILING STRUCTURE	No
106	LED FRAMEWORK	No
107	LEVITATION KIOSK	No
108	MANNEQUIN FRP	No
109	MANNEQUIN HYPER REALISTIC	No
110	MANNEQUINS PEDESTAL (600X450X300)	No
111	MOTION SEATS	No
112	MULTISENSORY PLATFORM	No
113	PARTITION WALL - ALUMINIUM WORK	No
114	PARTITION WALL - HDHMR WORK	No
115	PARTITION WALL - MS WORK	No
116	PARTITION WALL - WOOD WORK	No
117	PHOTO FRAMES	No
118	PODIUM	No
119	POLYCARBONATE SHEET	No
120	PRODUCT DISPLAY NICHE - 1	No
121	PRODUCT DISPLAY NICHE - 2	No
122	PRODUCT DISPLAY NICHE - 3	No
123	PRODUCT DISPLAY TABLE - 1	No

124	PRODUCT DISPLAY TABLE - 2	No
125	PRODUCT DISPLAY TABLE - 3	No
126	PRODUCT WALL DISPLAY - 1	No
127	PROFILE LIGHT	No
128	PROJECTION FILM	No
129	PROJECTION SCREEN	No
130	PROJECTOR ENCLOSURE	No
131	PROJECTOR TOWER	No
132	QUEUE MANAGER	No
133	RECEPTION DESK	No
134	RECEPTION DESK SMALL	No
135	SCENOGRAPHY	No
136	SCRIM SCREEN	No
137	SEATING STOOL	No
138	SEG	No
139	SERVICE DOOR	No
140	SIDE TABLE	No
141	SIGNAGE	No
142	SOFA 3 SEATER	No
143	SOFA SINGLE SEATER	No
144	SS RAILING	No
145	TABLET KIOSK	No
146	TOUCH GLASS	No
147	TOUCH TABLE (2X1)	No
148	TOUCH TABLE (3X1)	No
149	TRANSPARENT SCREEN 86"	No
150	TRIPOD	No
151	TV COVER 55	No
152	TV COVER 65	No
153	TV COVER 86	No
154	TV COVER 98	No
155	TV FRAME 55	No
156	TV FRAME 65	No
157	TV FRAME 85	No
158	TV FRAME 98	No
159	VISITOR CHAIR	No
160	VR KIOSK	No
161	VR SEATING	No
162	WALL PAINTING	No
163	WOODEN BALUSTER	No
164	WOODEN LOUVER PARTITION	No
165	WOODEN PLATFORM 100MM	No
166	WOODEN PLATFORM 300MM	No
167	WOODEN RAILING	No
168	WORKING DESK	No
169	ALUMINIUM SKIRTING	No

170	FLOOR GUARD	No
171	FLOORING CARPET	No
172	FLOORING ENGINEERED MARBLE	No
173	FLOORING EPOXY	No
174	FLOORING GRANITE DARK	No
175	FLOORING GRANITE LIGHT	No
176	FLOORING GRANITE OUTDOOR FLAMED	No
177	FLOORING MARBLE INDIAN WHITE	No
178	FLOORING MARBLE ITALIAN BEIGE	No
179	FLOORING MARBLE ITALIAN DARK	No
180	FLOORING MICRO CONCRETING	No
181	HVAC - DUCTABLE	No
182	HVAC - VRV/VRF	No
183	BROADBAND INTERNET	No
184	COB LED DOWN LIGHTER 10W	No
185	COB LED DOWN LIGHTER 6W	No
186	COVE LIGHT	No
187	LED BATTENS	No
188	LED SURFACE MOUNTED DOWNLIGHTER	No
189	LIGHTING TRACK 1M	No
190	LIGHTING TRACK 2M	No
191	LIGHTING WORKS	No
192	SPOT LIGHT	No
193	2D ANIMATOR / MOTION GRAPHICS ARTIST	No
194	3D ARTIST / ANIMATOR (JUNIOR)	No
195	3D ARTIST / ANIMATOR (SENIOR)	No
196	AI/ML ENGINEER (JUNIOR)	No
197	AI/ML ENGINEER (SENIOR)	No
198	AI/ML LEAD	No
199	AV MEDIA PROGRAMMER	No
200	AV SYSTEMS DESIGNER	No
201	AV TECHNICIAN (JUNIOR)	No
202	AV TECHNICIAN (SENIOR)	No
203	BACK-END DEVELOPER (JUNIOR)	No
204	BACK-END DEVELOPER (SENIOR)	No
205	BUSINESS ANALYST	No
206	CHIEF TECHNOLOGY OFFICER / TECHNICAL LEAD	No
207	COMMERCIAL & CONTRACTS EXECUTIVE	No
208	COMPUTER VISION ENGINEER	No
209	CONTENT CURATOR	No

210	CONTENT LEAD / SENIOR SCRIPTWRITER	No
211	CONTENT RESEARCHER	No
212	CONTENT STRATEGIST/ CREATIVE DIRECTOR	No
213	Customer Support & Helpdesk Executive	No
214	CYBER SECURITY ANALYST	No
215	DATA ANALYST / BI DEVELOPER	No
216	DATA ENGINEER	No
217	DATABASE ADMINISTRATOR	No
218	DELIVERY COORDINATOR	No
219	DEVOPS ENGINEER (JUNIOR)	No
220	DEVOPS ENGINEER (SENIOR)	No
221	DOCUMENTATION & COMPLIANCE SPECIALIST	No
222	ELECTRICAL TECHNICIAN	No
223	EXPERIENCE DESIGNER / MUSEOGRAPHER	No
224	FRONT-END DEVELOPER (JUNIOR)	No
225	FRONT-END DEVELOPER (SENIOR)	No
226	FULL STACK DEVELOPER	No
227	GIS SPECIALIST	No
228	GRAPHIC DESIGNER (JUNIOR)	No
229	GRAPHIC DESIGNER (SENIOR)	No
230	HELPDESK EXECUTIVE	No
231	INFRASTRUCTURE ARCHITECT	No
232	INSTALLATION SPECIALIST	No
233	INSTALLATION TECHNICIAN	No
234	MIS & Reporting Analyst	No
235	MOBILE APP DEVELOPER (ANDROID)	No
236	MOBILE APP DEVELOPER (iOS)	No
237	NETWORK ENGINEER (JUNIOR)	No
238	NETWORK ENGINEER (SENIOR)	No
239	NLP SPECIALIST	No
240	OPERATIONS ENGINEER (JUNIOR)	No
241	OPERATIONS ENGINEER (SENIOR)	No
242	PHOTOGRAPHER / VIDEOGRAPHER	No
243	PROCUREMENT MANAGER	No
244	PROGRAMME DIRECTOR	No
245	PROJECT MANAGER (JUNIOR)	No
246	PROJECT MANAGER (SENIOR)	No
247	PROJECTION MAPPING SPECIALIST	No
248	QA ENGINEER (JUNIOR)	No
249	QA ENGINEER (SENIOR)	No
250	QUALITY ASSURANCE MANAGER	No

251	SCRIPTWRITER / CONTENT WRITER	No
252	SHOW PROGRAMMER / CONTROL SYSTEMS SPECIALIST	No
253	SITE ENGINEER (ON- SITE)	No
254	SITE MANAGER	No
255	SITE SUPERVISOR	No
256	SOLUTION ARCHITECT	No
257	SOUND DESIGNER/ MUSIC COMPOSER	No
258	STORYBOARD ARTIST	No
259	TECH LEAD	No
260	TRAINER / TECHNICAL INSTRUCTOR	No
261	TRAINING LEAD	No
262	TRANSLATOR / MULTILINGUAL CONTENT SPECIALIST	No
263	UI DESIGNER (JUNIOR)	No
264	UI DESIGNER (SENIOR)	No
265	UNITY DEVELOPER (JUNIOR)	No
266	UNITY DEVELOPER (SENIOR)	No
267	UNREAL ENGINE DEVELOPER	No
268	UX RESEARCHER / INTERACTION DESIGNER	No
269	VIDEO EDITOR (JUNIOR)	No
270	VIDEO EDITOR (SENIOR)	No
271	VOICEOVER ARTIST	No
272	VR / AR CONTENT INTEGRATOR	No
273	ACCESS POINT	No
274	APLIC	No
275	CAT CORD 1M	No
276	CAT CORD 3M	No
277	CAT IO	No
278	CAT PATCH PANEL	No
279	CAT6 UPT CABLE	No
280	NETWORKING DEVICE FOR SCHOOL LAB	No
281	NETWORKING WORKS	No
282	NETWORKING WORKS PROJECTION SHOW	No
283	ROUTER	No
284	SW12POE	No
285	SW24	No
286	PUBLIC ADDRESS SYSTEM	No
287	EVENT MANAGEMENT	No
288	INSTALLATION SYSTEM INTEGRATION & CALIBRATION	No
289	OCR SCANNING	No
290	PROFESSIONAL VOICEOVER	No

291	SURVEYING	No
292	SYSTEM CONFIGURATION, SYNCHRONISATION AND TESTING	No
293	TEACHER TRAINING & ENABLEMENT	No
294	TRAINING & CAPACITY BUILDING	No
295	360-DEGREE ENVIRONMENT CONTROL SYSTEM	No
296	ADAPTIVE ASSESSMENT AND QUIZ PLATFORM	No
297	ADVANCED DATA INTELLIGENCE PLATFORM	No
298	AI ART GENERATION MODULE	No
299	AI CHATBOT WITH 3D CHARACTER / HOLOBOX	No
300	AI CONTENT MODERATION PLATFORM	No
301	AI DOCUMENT DRAFTER	No
302	AI HOLOGRAM	No
303	AI POWERED SOFTWARE	No
304	AR APPLICATION	No
305	AR/VR TRAINING MODULE	No
306	AUDIO GUIDE SOFTWARE	No
307	AUGMENTED REALITY OVERLAY APPLICATION	No
308	AUTOMATED ASSESSMENT GENERATION SYSTEM	No
309	AUTOMATED CONTENT SCREENING PLATFORM	No
310	AUTOMATED REPORTING AND MIS PLATFORM	No
311	BESPOKE FUNCTIONAL MODULE	No
312	BI TOOL / ADMIN DASHBOARD	No
313	CAMPAIGN & CITIZEN ENGAGEMENT PORTAL	No
314	CENTRALISED POLICY KNOWLEDGE REPOSITORY	No
315	CENTRALIZED ADMIN DASHBOARD	No
316	CITIZEN SERVICES MOBILE APPLICATION	No
317	COLLABORATIVE TASK MANAGEMENT PLATFORM	No
318	CONTENT CREATION SOFTWARE	No
319	CONTENT MANAGEMENT SYSTEM (CMS) FOR SCHOOLS	No
320	CONVERSATIONAL INTELLIGENCE ENGINE	No

321	CONVERSATIONAL SMART MIRROR SYSTEM	No
322	CUSTOM BUILD MODULE	No
323	DATA ANALYSIS SOFTWARE	No
324	DIGITAL VISITOR NARRATION SYSTEM	No
325	DOCUMENT DIGITISATION AND RECOGNITION ENGINE	No
326	DYNAMIC WEB APPLICATION PLATFORM	No
327	EDUCATIONAL HOLOGRAPHIC VISUALISATION SYSTEM	No
328	EMERGING TECHNOLOGY LEARNING ECOSYSTEM	No
329	EXHIBIT AND CONTENT OPERATIONS CENTRE	No
330	FEEDBACK SOFTWARE	No
331	FUTUREVERSE SOFTWARE	No
332	GAMES & INTERACTIVE GAMES	No
333	GENERATIVE VISUAL CREATION ENGINE	No
334	GESTURE-RESPONSIVE EXHIBIT FRAMEWORK	No
335	GIS & ANALYTICS SOFTWARE	No
336	GOVERNMENT / GOVERNANCE WEBSITE	No
337	HIGH-CONCURRENCY BROADCAST PLATFORM	No
338	HOLOGRAM SOFTWARE	No
339	HOLOGRAPHIC CONTENT CONTROL SYSTEM	No
340	HRMS	No
341	IMMERSIVE ROOM SOFTWARE	No
342	IMMERSIVE SCENARIO TRAINING SUITE	No
343	IMMERSIVE VIRTUAL ENVIRONMENT APPLICATION	No
344	IMMERSIVE VR SIMULATOR	No
345	INSTITUTIONAL DIGITAL ASSET MANAGEMENT SYSTEM	No
346	INSTITUTIONAL WEB PRESENCE PLATFORM	No
347	INTEGRATED DIGITAL PLATFORM	No
348	INTELLIGENT AVATAR EXPERIENCE SYSTEM	No
349	INTELLIGENT DOCUMENT AUTHORING TOOL	No

350	INTERACTIVE GAMIFICATION EXPERIENCE	No
351	INTERACTIVE QUIZ ENGINE	No
352	INTERACTIVE SOFTWARE	No
353	LEARNER PERFORMANCE INTELLIGENCE DASHBOARD	No
354	LEARNING ANALYTICS DASHBOARD	No
355	LIVE STREAMING PLATFORM	No
356	MAGIC MIRROR	No
357	MAPPING LICENSE	No
358	MOBILE APPLICATION	No
359	MOCK TEST GENERATOR	No
360	MOTION-LINKED VR SIMULATOR SYSTEM	No
361	MULTI-TIER ACCESS GOVERNANCE SYSTEM	No
362	MULTIMEDIA PRODUCTION PLATFORM	No
363	MUSEUM MANAGEMENT SYSTEM (MMS / CMS)	No
364	NATIONAL CAMPAIGN PARTICIPATION PORTAL	No
365	OCR & IMAGE RECOGNITION SOFTWARE	No
366	OPERATIONS INTELLIGENCE DASHBOARD	No
367	PERSONALISED MEDIA CAPTURE AND OUTPUT SYSTEM	No
368	PHOTO & VIDEO EXPERIENCE SOFTWARE	No
369	POLICY & DOCUMENT ANALYZER	No
370	POLICY RESERVOIR	No
371	PRODUCTION SHOW CONTROL SYSTEM	No
372	PROJECTION MAPPING	No
373	PROJECTOR SURFACE ALIGNMENT	No
374	REAL-TIME WEB APPLICATION	No
375	REGULATORY DOCUMENT INTELLIGENCE TOOL	No
376	REPORTING & MIS SYSTEM	No
377	SCHEDULED MEDIA PLAYBACK MANAGER	No
378	SERVICE REQUEST AND SUPPORT TRACKING SYSTEM	No
379	SHOW CONTROL SOFTWARE	No
380	SPATIAL DATA AND ANALYTICS ENGINE	No

381	STORYBOARDING & DASHBOARD DEVELOPMENT	No
382	SURFACE PROJECTION CALIBRATION SYSTEM	No
383	TASK MANAGEMENT SOFTWARE	No
384	TICKETING & BOOKING SOFTWARE	No
385	TICKETING & SUPPORT MANAGEMENT SYSTEM	No
386	UNIFIED DEPLOYMENT MONITORING CONSOLE	No
387	UNIFIED ECOSYSTEM MANAGEMENT PLATFORM	No
388	USER & ACCESS MANAGEMENT SYSTEM	No
389	VENUE BOOKING AND RESERVATION SYSTEM	No
390	VIDEO ON LOOP (VOL) SOFTWARE	No
391	VISITOR SENTIMENT COLLECTION SYSTEM	No
392	VISUAL NARRATIVE AND DASHBOARD PLATFORM	No
393	VR APPLICATION	No
394	WINDOWS LICENSE	No
395	WORKFORCE MANAGEMENT SYSTEM	No
396	3D PRINTER	No
397	3D PRINTING	No
398	AI ENABLED CAMERA	No
399	AI HOLOBOX 65	No
400	AI HOLOBOX 86	No
401	AI SERVER 320GB	No
402	AI SERVER 640GB	No
403	AI SERVER 80GB	No
404	APPLE TV	No
405	ARCHIVAL SCANNING	No
406	AUDIO CARD	No
407	AUDIO GUIDE	No
408	BIOMETRIC WEARABLE DEVICE	No
409	CAMERA 4K	No
410	CAMERA DSLR	No
411	CEILING MIC	No
412	COMPACT CPU	No
413	COMPUTER SETUP	No
414	CPU I9 48GB	No
415	CPU ULTRA7 04GB	No
416	CPU ULTRA7 08GB	No
417	CPU ULTRA7 16GB	No

418	CPU ULTRA7 24GB	No
419	CPU ULTRA9 24GB	No
420	DRONE	No
421	DRONE KIT	No
422	ELECTRONICS KIT	No
423	ENTERPRISE SERVER	No
424	FISH EYE LENS	No
425	FRAME TV 55	No
426	GPU 8GB	No
427	HANDWRITING ROBOT	No
428	HDMI SWITCHER	No
429	HEADPHONE	No
430	HOLOFAN 1000 DIA	No
431	HOLOFAN 800 DIA	No
432	IMAC	No
433	IPAD	No
434	IR TOUCH 2	No
435	IR TOUCH 3	No
436	IR TOUCH 4	No
437	IR TOUCH 6	No
438	IR TOUCH 8	No
439	JOYSTICKS	No
440	KEYBOARD MOUSE	No
441	KINECT CONTROLLER	No
442	KINETIC DROP INSTALLATION	No
443	KINETIC LED	No
444	KINETIC RING INSTALLATION	No
445	KIOSK SERVER/ GPU WORKSTATION	No
446	LAPTOP	No
447	LASER LIGHTING	No
448	LEDHEMISPHERE P1.25	Yes
449	LEDHEMISPHERE P1.56	Yes
450	LEDSPHERE P1.25	Yes
451	LEDSPHERE P1.56	Yes
452	LEDWALL P0.9375	Yes
453	LEDWALL P1.56	Yes
454	LEDWALL P2.5	Yes
455	LEDWALLO P4	Yes
456	LEDWALLT P2.6_6.9	Yes
457	LEVITATION MODULE	No
458	LFD 55 0.88MM	Yes
459	LFD 55 3.5MM	Yes
460	LIDAR SCANNER	No
461	M2M SIM CARD	No
462	MACBOOK	No
463	MIC CONTROLLER	No

464	MICROPHONE	No
465	MONI 24	No
466	MONI 27	No
467	MONI 32	No
468	MOTION CONTROLLER	No
469	MR HEADSET	No
470	PR_05000_0.25	Yes
471	PR_07150_1.25–2.0	Yes
472	PR_08500_1.25–2.0	Yes
473	PR_09500_0.37RT	Yes
474	PR_09500_0.65–0.75	Yes
475	PR_09500_0.75–0.95	Yes
476	PR_09600_0.65–0.75	Yes
477	PR_09600_1.25–2.0	Yes
478	PR_10000_0.37RT	Yes
479	PR_10000_0.55-0.65	Yes
480	PR_10000_1.25-2.0	Yes
481	PR_14250_0.37RT	Yes
482	PR_14250_0.55-0.65	Yes
483	PR_14250_1.25-2.0	Yes
484	PR_16000_0.46RT	Yes
485	PR_16000_0.78–0.95	Yes
486	PR_16000_1.13–1.8	Yes
487	PR_18000_0.38RT	Yes
488	PR_18000_ST & LT	Yes
489	PR_21000_0.38RT	Yes
490	PR_21000_ST & LT	Yes
491	PR_24000_0.38RT	Yes
492	PR_24000_ST & LT	Yes
493	PR_25000_0.38RT	Yes
494	PR_25000_ST & LT	Yes
495	PR_31000_ST & LT	Yes
496	PR_35000_0.38RT	Yes
497	PR_35000_ST & LT	Yes
498	PR_50000_0.38RT	Yes
499	PR_50000_ST & LT	Yes
500	PR_GOBO	No
501	PRESENTER	No
502	PRINTER	No
503	PRODUCTION SWITCHER	No
504	PROJECTOR FISHEYE LENS	No
505	PROXIMITY FLOOR SENSOR	No
506	PTZ CAMERA	No
507	RETRACTABLE SCREEN	No
508	ROBOTIC KIT	No
509	ROBOTS	No

510	SCREEN CASTING DEVICE	No
511	SERVER RACK 12U	No
512	SERVER RACK 22U	No
513	SERVER RACK 32U	No
514	SERVER RACK 42U	No
515	SHOW_AUDIO_1	Yes
516	SHOW_AUDIO_10	Yes
517	SHOW_AUDIO_2	Yes
518	SHOW_AUDIO_3	Yes
519	SHOW_AUDIO_4	Yes
520	SHOW_AUDIO_5	Yes
521	SHOW_AUDIO_6	Yes
522	SHOW_AUDIO_7	Yes
523	SHOW_AUDIO_8	Yes
524	SHOW_AUDIO_9	Yes
525	SHOW_LIGHT_1	No
526	SHOW_LIGHT_2	No
527	SHOW_LIGHT_3	No
528	SHOW_LIGHT_4	No
529	SHOW_LIGHT_5	No
530	SHOW_LIGHT_6	No
531	SHOW_LIGHT_7	No
532	SHOW_LIGHT_8	No
533	STRETCH TV 37	No
534	STRETCH TV 86	No
535	STYLUS	No
536	TABLET	No
537	TOUCH TV 15.6	Yes
538	TOUCH TV 22	No
539	TOUCH TV 32	No
540	TOUCH TV 55	Yes
541	TOUCH TV 65	Yes
542	TOUCH TV 86	Yes
543	TV 24	No
544	TV 32	No
545	TV 43	Yes
546	TV 55	Yes
547	TV 65	Yes
548	TV 85	Yes
549	TV 98	Yes
550	ULTRAWIDE CAMERA	No
551	UPS KIOSK	No
552	UPS STANDALONE	No
553	VC CONTROLLER	No
554	VC MICROPHONE	No
555	VR HEADSET	No

556	WEB CAMERA	No
557	ACOUSTIC WALL PANELING	No
558	EXTERIOR PAINT	No
559	FABRIC PANELING	No
560	PROJECTION PAINT	No
561	VINYL GRAPHIC	No
562	WALL PAINT DUCO	No
563	WALL PAINT INTERIOR	No
564	WALLPAPER	No
565	SHAKE TABLE	No
566	SMOKE GENERATOR	No
567	OSCILLOSCOPE	No
568	HAM RADIO	No
569	HAPTIC SUIT	No
570	THERMAL IMAGING CAMERA	No
571	AI-POWERED INTELLIGENT INTERACTION PLATFORM	No
572	INTERACTIVE VIRTUAL REALITY EXPERIENCE PLATFORM	No
573	UPS 360W	No
574	CENTRALISED MANAGEMENT & ANALYTICS SYSTEM	No

Note:

1. MAF of any of the above-mentioned items may be requested to submit as per the requirement of the client for the projects before issuance of the work order/LOA to the successful Bidder.
2. In respect of items for which MAF is not to be submitted as per above annexure, a self-declaration undertaking for the warranty/support obligations for such items has to be submitted by the bidder.