Electronics Corporation of Tamil Nadu Limited

Rate Contract Tender

Supply, Installation and Commissioning of Apple Products

Tender Ref.
ELCOT/PROC/OT/ 33197/Apple Products/RC/ 2018-19

Corrigendum No. 3 to the Tender Document

CORRIGENDUM TO THE TENDER DOCUMENT

The following Corrigendum to the Tender Document is hereby issued:-

S.N	Title of the clause	Existing	To be read as
1	Page No. 71 – Clause No. 9- Scope of Work - Section- 9.1- Scope of Work	-	New Points Included 4. Service support for the AVAZ software to be installed in the Apple products should be provided through the Apple OEM / supplier/ dealer. 5. One day training to explain the features of AVAZ Software should be provided in Chennai/ Other stations. Infrastructure for the training shall be provided by the department.
2	Page No. 157 – Annexure -3 – Price Bid - AVAZ- AAC app with 1 year Warranty for Apple products (Category 2)	-	Price bid Modified Sl.No.1- Product Code - 33197-001B (Removed) Sl.No.2-Product Code – 33197-002B (Removed) New items included Per day training cost at trainers place (40 –100 persons) (33197-002B) Per day training cost at customer location (4 Zones) (33197-002B) a) East Zone b) West Zone c) South Zone d) North Zone
3	Page No. 27 – Clause No. 5- Specification- Item Code- 33197-012-i Mac Pro 27- inch with Retina 5 K display 3.2 GHz 8- core Intel Xeon W- Parameter No. 10- Battery	-	Removed

4	Page No. 19 – Clause No. 5- Specification- Item Code- 33197-003- Mac Book Air 13-inch - 1.8GHz dual-core Intel Core i5, 256GB	-	Removed
5	Page No. 29 – Clause No. 5- Specification- Item Code- 33197-014- Mac mini	-	Removed
6	Page No. 44 – Clause No. 5- Specification- Item Code- 33197-029- Standalone 55-inches Display	-	Removed
7	Page No. 45 – Clause No. 5- Specification- Item Code- 33197-030- Standalone 49-inches Display	-	Removed
8	Specifications – New item added 33197-004A-MacBook Air 13 inch Retina - 1.6GHz dual-core Intel Core i5, 128GB	-	New item added. Specifications for this is placed in Annexure.
9	Specifications – New item added 33197-004B- MacBook Air 13 inch Retina - 1.6GHz dual-core Intel Core i5, 256GB	-	New item added. Specifications for this is placed in Annexure.
10	Specifications – New item added 33197-004C- Mac Book Pro 13-inch-2.3GHz dual-core Intel Core i5, 128GB Non-Touch Bar	-	New item added. Specifications for this is placed in Annexure.
11	Specifications – New item added 33197-005A- Mac Book Pro 13-inch – 2.3GHz quad-core Intel Core i5 (8th Generation), 256 GB Touch Bar	-	New item added. Specifications for this is placed in Annexure.

12	Specifications – New item added 33197-006A- Mac Book Pro 15-inch with Touch Bar– 2.2GHz, 6-core, Intel Core i7 processor (8th generation) 256 GB	-	New item added. Specifications for this is placed in Annexure.
13	Specifications – New item added 33197-007A- iMac 21.5-inch - 2.3GHz dual‑core Intel Core i5 Processor, 1TB Hard Drive	-	New item added. Specifications for this is placed in Annexure.
14	Specifications – New item added 33197-010A- iMac 27-inch with Retina 5K display– 3.5GHz, quad-core, Intel Core i5 processor, 1TB Fusion Drive	-	New item added. Specifications for this is placed in Annexure.
15	Specifications – New item added 33197-013A- Mac Pro (CPU) 8-Core Intel Xeon E5	-	New item added. Specifications for this is placed in Annexure.
16	Specifications – New item added 33197-013B- Mac Mini -4-core 3.6GHz quad-core Intel Core i3	-	New item added. Specifications for this is placed in Annexure.
17	Specifications – New item added 33197-014A- Mac Mini - 6 Core 3.0GHz 6-core Intel Core i5	-	New item added. Specifications for this is placed in Annexure.
18	Specifications – New item added 33197-022A- Apple iPad Pro 10.5 inch, WiFi - 256 GB	-	New item added. Specifications for this is placed in Annexure.
19	Specifications – New item added 33197-022B- Apple iPad Pro 10.5 inch, WiFi +Cell 256GB	-	New item added. Specifications for this is placed in Annexure.

20	Specifications – New item added 33197-024A- Apple iPad Pro 12.9 inch, WiFi 64 GB	-	New item added. Specifications for this is placed in Annexure.
21	Specifications – New item added 33197-024B- Apple iPad Pro 12.9 inch, WiFi +Cell 64 GB	-	New item added. Specifications for this is placed in Annexure.
22	Specifications – New item added 33197-024C- Apple iPad Pro 12.9 inch, WiFi 256 GB	-	New item added. Specifications for this is placed in Annexure.
23	Specifications – New item added 33197-025A- Apple iPad Pro 12.9 inch, WiFi 512 GB	-	New item added. Specifications for this is placed in Annexure.
24	Specifications – New item added 33197-025B- Apple iPad Pro 12.9 inch, WiFi +Cell 512 GB	-	New item added. Specifications for this is placed in Annexure.
25	Specifications – New item added 33197-025C- Apple iPad Pro 12.9 inch, WiFi 1TB	-	New item added. Specifications for this is placed in Annexure.
26	Specifications – New item added 33197-025D- Apple iPad Pro 12.9 inch, WiFi +Cell 512 GB	-	New item added. Specifications for this is placed in Annexure.
27	Specifications – New item added 33197-025E- Apple iPad Pro 11 inch, WiFi 64GB	-	New item added. Specifications for this is placed in Annexure.

28	Specifications – New item added 33197-025F- Apple iPad Pro 11 inch, WiFi +Cell 64GB	-	New item added. Specifications for this is placed in Annexure.
29	Specifications – New item added 33197-025G- Apple iPad Pro 11 inch, WiFi 256GB	-	New item added. Specifications for this is placed in Annexure.
30	Specifications – New item added 33197-025H- Apple iPad Pro 11 inch, WiFi +Cell 256GB	-	New item added. Specifications for this is placed in Annexure.
31	Specifications – New item added 33197-025I- Apple iPad Pro 11 inch, WiFi 512GB	-	New item added. Specifications for this is placed in Annexure.
32	Specifications – New item added 33197-025J- Apple iPad Pro 11 inch, WiFi +Cell 512GB	-	New item added. Specifications for this is placed in Annexure.
33	Specifications – New item added 33197-025K- Apple iPad Pro 11 inch, WiFi 1TB	-	New item added. Specifications for this is placed in Annexure.
34	Specifications – New item added 33197-025L- Apple iPad Pro 11 inch, WiFi +Cell 1TB	-	New item added. Specifications for this is placed in Annexure.
35	Specifications – New item added 33197-025M- Apple iPhone 7, 32GB	-	New item added. Specifications for this is placed in Annexure.

36	Specifications – New item added 33197-025N- Apple iPhone 7, 128GB	-	New item added. Specifications for this is placed in Annexure.
37	Specifications – New item added 33197-025O- Apple iPhone 7Plus, 32GB	-	New item added. Specifications for this is placed in Annexure.
38	Specifications – New item added 33197-025P- Apple iPhone 7Plus, 128GB	-	New item added. Specifications for this is placed in Annexure.
39	Specifications – New item added 33197-025Q- Apple iPhone 8, 64GB	-	New item added. Specifications for this is placed in Annexure.
40	Specifications – New item added 33197-025R- Apple iPhone 8, 256GB	-	New item added. Specifications for this is placed in Annexure.
41	Specifications – New item added 33197-025S- Apple iPhone 8 Plus, 64GB	-	New item added. Specifications for this is placed in Annexure.
42	Specifications – New item added 33197-025T- Apple iPhone 8 Plus, 256GB	-	New item added. Specifications for this is placed in Annexure.
43	Specifications – New item added 33197-025U- Apple iPhone XS– 64 GB	-	New item added. Specifications for this is placed in Annexure.

44	Specifications – New item added 33197-026A- Apple iPhone XS– 512 GB	-	New item added. Specifications for this is placed in Annexure.
45	Specifications – New item added 33197-026B- Apple iPhone XS Max– 64 GB	-	New item added. Specifications for this is placed in Annexure.
46	Specifications – New item added 33197-027A- Apple iPhone XS Max– 512 GB	-	New item added. Specifications for this is placed in Annexure.
47	Specifications – New item added 33197-027B- Apple iPhone XR 64 - GB	-	New item added. Specifications for this is placed in Annexure.
48	Specifications – New item added 33197-028A- Apple iPhone XR 256 - GB	-	New item added. Specifications for this is placed in Annexure.

Note: (The above corrigendum is applicable to all other clauses which contains the respective terms in the tender document).

Annexure

Code : 004A	MacBook Air 13 inch Retina - 1.6GHz dual-core Intel Core i5, 128GB	
Sl No:	**Parameter**	**Tender Specification**
1	Processor	1.6GHz dual-core Intel Core i5, Turbo Boost up to 3.6GHz, with 4MB L3 cache
2	Memory	8GB of 2133MHz LPDDR3 onboard memory
3	Storage	128GB PCIe-based SSD
4	Display	13.3-inch (diagonal) LED-backlit display with IPS technology; 2560x1600 native resolution at 227 pixels per inch with support for millions of colours
5	Graphics	Intel UHD Graphics 617
6	Weight	1.25 kg (2.75 pounds)3
7	Height	0.41–1.56 cm (0.16–0.61 inches)
8	Body	Uni Body Aluminium
9	Camera	720p FaceTime HD camera
10	Battery	Built-in 50.3-watt-hour lithium-polymer battery
11	Audio	Stereo speakers, Three microphones, 3.5mm headphone jack
12	Connection and Expansion	Two Thunderbolt 3 (USB-C) ports, Thunderbolt (up to 40 Gbps), USB-C 3.1 Gen 2 (up to 10 Gbps)
13	Operating System	Mac OS High Sierra or Higher

Code : 004B	MacBook Air 13 inch Retina - 1.6GHz dual-core Intel Core i5, 256GB	
Sl No:	**Parameter**	**Tender Specification**
1	Processor	1.6GHz dual-core Intel Core i5, Turbo Boost up to 3.6GHz, with 4MB L3 cache
2	Memory	8GB of 2133MHz LPDDR3 onboard memory
3	Storage	256GB PCIe-based SSD
4	Display	13.3-inch (diagonal) LED-backlit display with IPS technology; 2560x1600 native resolution at 227 pixels per inch with support for millions of colours
5	Graphics	Intel UHD Graphics 617
6	Weight	1.25 kg (2.75 pounds)3
7	Height	0.41–1.56 cm (0.16–0.61 inches)
8	Body	Uni Body Aluminium
9	Camera	720p FaceTime HD camera
10	Battery	Built-in 50.3-watt-hour lithium-polymer battery
11	Audio	Stereo speakers, Three microphones, 3.5mm headphone jack
12	Connection and Expansion	Two Thunderbolt 3 (USB-C) ports, Thunderbolt (up to 40 Gbps), USB-C 3.1 Gen 2 (up to 10 Gbps)
13	Operating System	Mac OS High Sierra or Higher

Code : 004C	Mac Book Pro 13-inch-2.3GHz dual-core Intel Core i5, 128GB Non-Touch Bar	
Sl No:	Parameter	Tender Specification
1	Processor	2.3GHz dual-core Intel Core i5
2	Memory	8GB of 2133MHz LPDDR3 on-board memory
3	Storage	128GB PCIe-based on-board SSD
4	Display	13.3-inch (diagonal) LED-backlit display with IPS technology
5	Touch Bar	Non Touch Bar
6	Graphics	Intel Iris Plus Graphics 640
7	Weight	1.37 kg (3.02 pounds)3
8	Height	1.49 cm (0.59 inches)
9	Body	Uni Body Aluminium
10	Camera	720p Face Time HD camera
11	Battery	Built-in 54.5-watt-hour lithium-polymer battery
12	Audio	Stereo speakers with high, dynamic range, Three microphones, 3.5mm headphone jack
13	Connection and Expansion	Two Thunderbolt 3 (USB-C) ports , Charging Display Port
		Thunderbolt (up to 40 Gbps)
		USB 3.1 Gen 2 (up to 10 Gbps)
14	Operating System	Mac OS High Sierra

Code : 005A	Mac Book Pro 13-inch – 2.3GHz quad-core Intel Core i5 (8th Generation), 256 GB Touch Bar	
Sl No:	Parameter	Tender Specification
1	Processor	2.3GHz quad-core Intel Core i5
2	Memory	8GB of 2133MHz LPDDR3 on-board memory
3	Storage	256GB
4	Display	13.3-inch (diagonal) LED-backlit display with IPS technology
5	Touch Bar	Touch Ba ravaiable
6	Graphics	Intel Iris Plus Graphics 655
7	Weight	1.37 kg (3.02 pounds)3
8	Height	1.49 cm (0.59 inches)
9	Body	Uni Body Aluminium
10	Camera	720p Face Time HD camera
11	Battery	Built-in 58.0-watt-hour lithium-polymer battery
12	Audio	Stereo speakers with high dynamic range, Three microphones
		3.5mm headphone jack
13	Connection and Expansion	Thunderbolt 3 digital video output, Native Display Port output over USB-C, VGA, HDMI and Thunderbolt 2 output supported using adapters (sold separately)
14	Operating System	Mac OS High Sierra

Code : 006A	Mac Book Pro 15-inch with Touch Bar– 2.2GHz, 6-core, Intel Core i7 processor (8th generation) 256 GB	
Sl No:	Parameter	Tender Specification
1	Processor	2.2GHz 6-core Intel Core i7
2	Memory	16GB of 2400MHz DDR4 on board memory
3	Storage	256 GB
4	Display	15.4-inch (diagonal) LED-backlit display with IPS technology
5	Touch Bar	Touch Bar avaiable
6	Graphics	Radeon Pro 560X with 4GB of GDDR5 memory and automatic graphics switching Intel UHD Graphics 630
7	Weight	1.83 kg (4.02 pounds)3
8	Height	1.55 cm (0.61 inches)
9	Body	Uni Body Aluminium
10	Camera	720p Face Time HD camera
11	Battery	Built-in 83.6-watt-hour lithium-polymer battery
12	Audio	Stereo speakers, Dual microphones, 3.5mm headphone jack
12	Connection and Expansion	Display Port
		Thunderbolt (up to 40 Gbps)
		USB 3.1 Gen 2 (up to 10 Gbps)
13	Operating System	Mac OS High Sierra

Code : 007A	iMac 21.5-inch - 2.3GHz dual-core Intel Core i5 Processor, 1TB Hard Drive	
Sl No:	**Parameter**	**Tender Specification**
1	Processor	2.3GHz dual-core Intel Core i5
2	Memory	8GB of 2133MHz DDR4 memory
3	Storage	1TB (5400-rpm) hard drive
4	Display	21.5-inch (diagonal) LED-backlit display
5	Graphics	Intel Iris Plus Graphics 640
6	Weight	5.66 kg (12.5 pounds)2
7	Height	45.0 cm (17.7 inches)
8	Inputs	Magic Keyboard, Magic Mouse 2, Magic Track pad 2
9	Camera	Face Time HD camera
11	Audio	Stereo speakers, microphones, 3.5mm headphone jack
12	Connection and Expansion	3.5mm headphone jack
		SDXC card slot
		Four USB 3 ports (compatible with USB 2)
		Two Thunderbolt 3 (USB-C) ports
13	Operating System	Mac OS High Sierra

Code : 010A	iMac 27-inch with Retina 5K display– 3.5GHz, quad-core, Intel Core i5 processor, 1TB Fusion Drive	
Sl No:	**Parameter**	**Tender Specification**
1	Processor	3.5GHz quad-core Intel Core i5
2	Memory	8GB (two 4GB) of 2400MHz DDR4 memory
3	Storage	1TB Fusion Drive
4	Display	27-inch (diagonal) Retina 5K display
5	Graphics	Radeon Pro 575 with 4GB of VRAM
6	Weight	9.44 kg (20.8 pounds)2
7	Height	51.6 cm (20.3 inches)
8	Inputs	Magic Keyboard, Magic Mouse 2, Magic Track Pad 2
9	Camera	Face Time HD camera
11	Audio	Stereo speakers, Microphone, 3.5mm headphone jack,
12	Connection and Expansion	3.5mm headphone jack, SDXC card slot,
		Four USB 3 ports (compatible with USB 2)
		Two Thunderbolt 3 (USB-C) ports
13	Operating System	Mac OS High Sierra or Higher

Code : 013A	Mac Pro (CPU) 8-Core Intel Xeon E5	
Sl No:	Parameter	Tender Specification
1	Memory	DDR3 ECC memory, 16GB (four 4GB) of 1866MHz DDR3 ECC memory
2	Processor	3.0GHz, 8-Core
		Intel Xeon E5 with 25MB L3 cache and Turbo Boost up to 3.9GHz
3	Graphics	Dual AMD FirePro D700 graphics processors with 6GB of GDDR5 VRAM each
4	Storage	256 GB PCIe-based SSD
5	Audio	3.5mm headphone jack with headset support
		HDMI port supports multi-channel audio output
		Built-in speaker
6	Display Support	Connect Up to Three dual cable 5K displays
8	Sensor	Touch ID, Three-axis gyro, Accelerometer,Barometer
		Ambient light sensor
9	Connector	802.11ac Wi Fi wireless networking
10	Operating System	Mac OS High Sierra or Higher

Code : 013B	Mac Mini - 4 - core 3.6GHz quad-core Intel Core i3	
Sl No:	Parameter	Tender Specification
1	Processor	3.6GHz quad-core Intel Core i3 6MB shared L3 cache
2	Memory	8GB of 2666MHz DDR4 SO-DIMM memory
3	Storage	128GB PCIe-based SSD
4	Graphics	Intel UHD Graphics 630
5	Width & Depth	19.7 cm (7.7 inches) & 19.7 cm (7.7 inches)
6	Height	3.6 cm (1.4 inches)
7	Weight	1.3 kg (2.9 pounds)
9	Connectivity	802.11ac Wi Fi wireless networking; IEEE 802.11a/g/b/n compatible
10	Audio	3.5mm headphone jack
		HDMI 2.0 port supports multichannel audio output
11	Connection and Expansion	Four Thunderbolt 3 (USB-C) ports, Two USB 3 ports
12	Operating System	macOS High Sierra or Higher

Code : 014A	Mac Mini - 6 Core 3.0GHz 6-core Intel Core i5	
Sl No:	Parameter	Tender Specification
1	Processor	3.0GHz 6-core Intel Core i5 9MB shared L3 cache
2	Memory	8GB of 2666MHz DDR4 SO-DIMM memory
3	Storage	128GB PCIe-based SSD
4	Graphics	Intel UHD Graphics 630
5	Width & Depth	19.7 cm (7.7 inches) & 19.7 cm (7.7 inches)
6	Height	3.6 cm (1.4 inches)
7	Weight	1.3 kg (2.9 pounds)
9	Connectivity	802.11ac Wi Fi wireless networking; IEEE 802.11a/g/b/n compatible
10	Audio	3.5mm headphone jack
		HDMI 2.0 port supports multichannel audio output
11	Connection and Expansion	Four Thunderbolt 3 (USB-C) ports, Two USB 3 ports
12	Operating System	macOS High Sierra or Higher

Code : 022A	**Apple iPad Pro 10.5 inch, WiFi - 256 GB**	
Sl No:	**Parameter**	**Tender Specification**
1	Chip	A10X Fusion chip with 64 bit architecture
2	Display	10.5-inch (diagonal) LED-backlit Multi-Touch display
3	Storage	256 GB
4	Connectivity	Wi Fi Only
5	Front Camera	7-mega pixel photos
6	Rear Camera	12-mega pixel camera
7	Audio	Face Time audio
8	Height	250.6mm (9.8 inches)
9	Weight	469 grams (1.03 pounds)
10	Camera	Face Time HD Camera
11	Battery	Built-in 30.4-watt-hour rechargeable lithium polymer battery
12	Sensor	Touch ID, Three-axis gyro, Accelerometer,Barometer
		Ambient light sensor
13	Connector	Lightning to USB Cable, USB Power Adapter
14	Operating System	iOS 12
15	Siri	Use your voice to send messages, set reminders and more Get proactive suggestions

Code : 022B	Apple iPad Pro 10.5 inch, WiFi +Cell 256GB	
Sl No:	Parameter	Tender Specification
1	Chip	A10X Fusion chip with 64 bit architecture
2	Display	10.5-inch (diagonal) LED-backlit Multi-Touch display
3	Storage	256 GB
4	Connectivity	Wi Fi +Cellullar
5	Front Camera	7-mega pixel photos
6	Rear Camera	12-mega pixel camera
7	Audio	Face Time audio
8	Height	250.6mm (9.8 inches)
9	Weight	477 grams (1.05 pounds)
10	Camera	Face Time HD Camera
11	Battery	Built-in 30.4-watt-hour rechargeable lithium polymer battery
12	Sensor	Touch ID, Three-axis gyro, Accelerometer,Barometer
		Ambient light sensor
13	Connector	Lightning to USB Cable, USB Power Adapter
14	Operating System	iOS 12
15	Siri	Use your voice to send messages, set reminders and more Get proactive suggestions

Code : 024A	Apple iPad Pro 12.9-inch, WiFi – 64 GB	
Sl No:	Parameter	Tender Specification
1	Chip	A12X Bionic chip with Neural Engine
2	Display	12.9-inch (diagonal) LED-backlit Multi-Touch display
3	Storage	64 GB
4	Front Camera	7-megapixel photos
5	Rear Camera	12-megapixel camera
6	Audio	FaceTime audio
7	Height	280.6 mm
9	Weight	631 grams (1.39 pounds)
10	Camera	FaceTime HD Camera
11	Battery	Built-in 30.4-watt-hour rechargeable lithium polymer battery
12	Sensor	Touch ID, Three-axis gyro, Accelerometer, Barometer, Ambient light sensor
13	Connector	Lightning to USB Cable, USB Power Adapter
14	Operating System	iOS 12
15	Siri	Use your voice to send messages, set reminders and more Get proactive suggestions

Code : 024B	Apple iPad Pro 12.9-inch, WiFi+Cellular – 64 GB	
Sl No:	Parameter	Tender Specification
1	Chip	A12X Bionic chip with Neural Engine
2	Display	12.9-inch (diagonal) LED-backlit Multi-Touch display
3	Storage	64 GB
4	Front Camera	7-megapixel photos
5	Rear Camera	12-megapixel camera
6	Audio	FaceTime audio
7	Height	280.6 mm
9	Weight	633 grams (1.4 pounds)
10	Camera	FaceTime HD Camera
11	Battery	Built-in 30.4-watt-hour rechargeable lithium polymer battery
12	Sensor	Touch ID, Three-axis gyro, Accelerometer, Barometer, Ambient light sensor
13	Connector	Lightning to USB Cable, USB Power Adapter
14	Operating System	iOS 12
15	Siri	Use your voice to send messages, set reminders and more Get proactive suggestions

Code : 024C	Apple iPad Pro 12.9-inch, WiFi – 256 GB	
Sl No:	Parameter	Tender Specification
1	Chip	A12X Bionic chip with Neural Engine
2	Display	12.9-inch (diagonal) LED-backlit Multi-Touch display
3	Storage	256 GB
4	Front Camera	7-megapixel photos
5	Rear Camera	12-megapixel camera
6	Audio	FaceTime audio
7	Height	280.6 mm
9	Weight	631 grams (1.39 pounds)
10	Camera	FaceTime HD Camera
11	Battery	Built-in 30.4-watt-hour rechargeable lithium polymer battery
12	Sensor	Touch ID, Three-axis gyro, Accelerometer, Barometer, Ambient light sensor
13	Connector	Lightning to USB Cable, USB Power Adapter
14	Operating System	iOS 12
15	Siri	Use your voice to send messages, set reminders and more Get proactive suggestions