



Electronics Corporation of Tamil Nadu Limited

**Rate Contract
Tender**

Supply of Tablets

Tender Ref.

ELCOT/Proc/OT/33318/Tablet/RC/ 2020-21

Corrigendum No. 1 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. 13- Clause no. 3.8- Dispute and Jurisdiction	“In case, there is a failure in resolving the dispute within the time agreed and in the manner stated supra, the parties shall be at liberty to approach only the Courts in Chennai City which has jurisdiction in the matter.”	“In case the parties failed to resolve the disputes amicably within the time frame agreed and in the manner stated supra, the aggrieved party shall approach the Court in Chennai city alone to the exclusion of all other Courts to adjudicate the unresolved dispute.”
2	Page No. 16- Clause No. 5- Specification - Item code: 33318-001 - Tablet – 7” Android OS without SIM and 33318-002 - Tablet – 7” Android OS with SIM (& 17)	<p>Parameter:</p> <p>Operating System: Android 9.0 Pie or above</p> <p>Processor: 1.5 GHZ Quad-Core or above</p> <p>Features: GPS, Micro USB/Type C Port, OTG Support, Bluetooth, WiFi, WiFi Hotspot, headphone/mic jack, Speaker, Microphone, FM Radio</p> <p>Resolution: 1024 x 800 or above</p>	<p>Parameter:</p> <p>Operating System: Android 9.0 Pie/8.1 Oreo or above</p> <p>Processor: 1.5 GHZ (+/- 0.2) Quad-Core or above</p> <p>Features: GPS, Micro USB/Type C Port, OTG Support, Bluetooth, WiFi, WiFi Hotspot, headphone/mic jack, Speaker, Microphone, FM Radio – Optional</p> <p>Resolution: 1024 x 600 or above</p>
3	Page No. 17- Item code: 33318-003- Tablet – 8” Android OS without SIM	<p>Parameter:</p> <p>Features: GPS, Micro USB/Type C Port, OTG Support, Bluetooth, WiFi, WiFi Hotspot, headphone/mic jack, Speaker, Microphone, FM Radio</p>	<p>Parameter:</p> <p>Features: GPS, Micro USB/Type C Port, OTG Support, Bluetooth, WiFi, WiFi Hotspot, headphone/mic jack, Speaker, Microphone, FM Radio - Optional</p>
4	Page No. 18- Item code: 33318-004 - Tablet – 8” Android OS with SIM	<p>Parameter:</p> <p>SIM Slots: 4G Dual SIM with voice</p> <p>Features: GPS, Micro USB/Type C Port, OTG Support, Bluetooth, WiFi,</p>	<p>Parameter:</p> <p>SIM Slots: 4G SIM with voice</p> <p>Features: GPS, Micro USB/Type C Port, OTG Support, Bluetooth, WiFi,</p>

		WiFi Hotspot, headphone/mic jack, Speaker, Microphone, FM Radio	WiFi Hotspot, headphone/mic jack, Speaker, Microphone, FM Radio - Optional
5	Page No. 18- Item code: 33318-005 - Tablet – 8” Android OS with SIM, 2 GB RAM , Bluetooth Key Board & MDM Software	<p>Parameter:</p> <p>Features: MDM Software, Sensors: Accelerometer, Gyroscope, Radio : Integrated Voice Calling, Micro USB, 1W Speaker, Bluetooth 4.0, WiFi 802.11 b/g/n, GPS, OTG Support, headphone/ mic jack, Microphone</p> <p>Camera: Rear – 5 MP with flash auto focus or higher, Front – 2 MP fixed focus or higher</p> <p>Certificates: BIS, CE, ROHS and Energy Star certificates.</p>	<p>Parameter:</p> <p>Features: MDM Software (Google verified), Sensors : Accelerometer, Radio : Integrated Voice Calling, Micro USB, 1W Speaker, Bluetooth 4.0, WiFi 802.11 b/g/n, GPS, OTG Support, headphone/mic jack, Microphone</p> <p>Camera: Rear – 5 MP auto focus or higher, Front – 2 MP fixed focus or higher</p> <p>Certificates: BIS, CE, ROHS certificates</p>
6	Page No. 19- Item code: 33318-006- Tablet – 8” Android OS with SIM, 4 GB RAM, Bluetooth Key Board & MDM Software	<p>Parameter:</p> <p>Features: MDM Software, Sensors : Accelerometer, Gyroscope, Radio : Integrated Voice Calling, Micro USB, 1W Speaker, Bluetooth 4.0, WiFi 802.11 b/g/n, GPS, OTG Support, headphone/mic jack, Microphone</p> <p>Camera: Rear – 5 MP with flash auto focus or higher, Front – 2 MP fixed focus or higher</p> <p>Certificates: BIS, CE, ROHS and Energy Star certificates.</p>	<p>Parameter:</p> <p>Features: MDM Software (Google verified), Sensors : Accelerometer, Radio : Integrated Voice Calling, Micro USB, 1W Speaker, Bluetooth 4.0, WiFi 802.11 b/g/n, GPS, OTG Support, headphone/mic jack, Microphone</p> <p>Camera: Rear – 5 MP auto focus or higher, Front – 2 MP fixed focus or higher</p> <p>Certificates: BIS, CE, ROHS certificates</p>
7	Page No. 20- Item code: 33318-008 - Tablet – 10” Android OS without SIM	<p>Parameter:</p> <p>Memory: RAM – 2 GB or higher, Internal Storage – 16 GB, Expandable up to 64 GB microSD or higher</p> <p>Features: GPS, Micro</p>	<p>Parameter:</p> <p>Memory: RAM – 2 GB or higher, Internal Storage – 32 GB, Expandable up to 64 GB microSD or higher</p> <p>Features: GPS, Micro</p>

		USB/Type C Port, OTG Support, Bluetooth, WiFi, WiFi Hotspot, headphone/mic jack, Speaker, Microphone, FM Radio	USB/Type C Port, OTG Support, Bluetooth, WiFi, WiFi Hotspot, headphone/mic jack, Speaker, Microphone, FM Radio - Optional
8	Page No. 21- Item code: 33318-009- Tablet – 10” Android OS with SIM	<p>Parameter:</p> <p>SIM Slots: 4G Dual SIM with voice</p> <p>Memory: RAM – 2 GB or higher, Internal Storage – 16 GB, Expandable up to 64 GB microSD or higher</p> <p>Features: GPS, Micro USB/Type C Port, OTG Support, Bluetooth, WiFi, WiFi Hotspot, headphone/mic jack, Speaker, Microphone, FM Radio</p>	<p>Parameter:</p> <p>SIM Slots: 4G SIM with voice</p> <p>Memory: RAM – 2 GB or higher, Internal Storage – 32 GB, Expandable up to 64 GB microSD or higher</p> <p>Features: GPS, Micro USB/Type C Port, OTG Support, Bluetooth, WiFi, WiFi Hotspot, headphone/mic jack, Speaker, Microphone, FM Radio - Optional</p>
9	Page No. 22- Item code: 33318-010- Tablet – 10” Android OS with SIM & 4 GB RAM	<p>Parameter:</p> <p>SIM Slots: 4G Dual SIM with voice</p> <p>Features: GPS, Micro USB/Type C Port, OTG Support, Bluetooth, WiFi, WiFi Hotspot, headphone/mic jack, Speaker, Microphone, FM Radio</p>	<p>Parameter:</p> <p>SIM Slots: 4G SIM with voice</p> <p>Features: GPS, Micro USB/Type C Port, OTG Support, Bluetooth, WiFi, WiFi Hotspot, headphone/mic jack, Speaker, Microphone, FM Radio - Optional</p>
10	Page No. 22- Item code: 33318-011- Tablet – 10” Android OS with SIM, 4 GB RAM, Bluetooth Key Board & MDM Software	<p>Parameter:</p> <p>Features: MDM Software, Sensors : Accelerometer, Gyroscope, Radio : Integrated Voice Calling, Micro USB, 1W Speaker, GPS, Bluetooth 4.0, WiFi 802.11 b/g/n, OTG Support, headphone/mic jack, Microphone</p> <p>Camera: Rear – 5 MP with flash auto focus or higher, Front – 2 MP fixed focus or higher</p> <p>Certificates: BIS, CE, ROHS</p>	<p>Parameter:</p> <p>Features: MDM Software(Google verified), Sensors : Accelerometer, Radio : Integrated Voice Calling, Micro USB, 1W Speaker, Bluetooth 4.0, WiFi 802.11 b/g/n, GPS, OTG Support, headphone/mic jack, Microphone</p> <p>Camera: Rear – 5 MP auto focus or higher, Front – 2 MP fixed focus or higher</p> <p>Certificates: BIS, CE, ROHS</p>

		and Energy Star certificates	certificates
11	Page No. 90-Annexue-2- Price bid- Tablets with 1 & 3 year(s) warranty- Item code: 33318-ADD- 021	MDM Software (per device)	MDM Software - Google verified (per device)
12	Rugged Tablet – 7" Android OS with vehicle docket mounting unit		New item is added. Item code 33318-013 – Rugged Tablet – 7" Android OS with vehicle docket mounting unit - Specification is given in Annexure-I (Page No.5)
13	Tablet – 8" Android OS with SIM (32 GB Internal Storage)		New item is added. Item code 33318-014 – Tablet – 8" Android OS with SIM (32 GB Internal Storage)- Specification is given in Annexure-I (Page No.7)
14	Tablet – 10" Android OS with SIM, 4 GB RAM, Detachable Key Board & MDM Software		New item is added. Item code 33318-015 – Tablet – 10" Android OS with SIM, 4 GB RAM, Detachable Key Board & MDM Software - Specification is given in Annexure-I (Page No.8)
15	New Addon items added		New Add on items added. 33318- ADD-023- Detachable Keyboard (with pogo pin) for Tablet – 10" 33318- ADD-024- Detachable Keyboard (with pogo pin) for Tablet – 8"

Note: The above corrigendum is applicable to all other clauses, which contain the respective terms in the tender document.

- SD/-

Managing Director

Annexure- 1**33318-013- Rugged Tablet – 7" Android OS with vehicle docket mounting unit**

S.No	Parameter	Specification
1	Display	Screen size : Minimum 7" or higher. Type: Minimum IPS LCD colour display type device or suitable. It should be sunlight readable with antiglare. Automatic screen rotation with required screen protection should be provided. Should support minimum 5 finger capacitive touch screen.
2	Resolution	1280 x 720 HD or higher. Brightness level: 350 NITS / Cod/m2 or better.
3	SIM Slots	Required
4	Connectivity	2G, 3G, 4G bands and should support for voice, data & video calling along with fallback network access. Both Voice & Data should be supported directly similar as phone device. Both hand & hands free kind of voice operation should be supported.
5	Operating System	Android 7 or higher
6	Processor	1.1 GHz quad core processor or higher
7	Memory	RAM – 2 GB or higher, Internal Storage – 16 GB, Expandable up to 32 GB microSD or higher, 32 GB memory card to be provided.
8	Camera	Rear – 5 MP or higher with LED flash light
9	Features	Fully Rugged IP & MIL STD compiled and certified mobile based devices for emergency response field level operation & requirement, GPS, Micro USB/Type C Port, WiFi, Wifi Hotspot, Bluetooth, Speaker and Microphone, Ambient light, Compass, Acceleration.
10	Battery	User removable Li-ions or its equivalent battery pack should be provided with suitable voltage rating to support minimum 7 hours of continuous operation under data operation mode for required MDT field responder Apps. Necessary field test will be conducted under data (wifi/internet) mode along with proposed MDT app at standard brightness level.

11	Accessories	Stylus pen, Bluetooth handsfree headset, Hand strap kit, External type USB charging kit - 2A or higher with charging adopter, Vehicle docket mounting unit with charging kit (rugged type) - vehicle battery connected charging kit with over voltage & short circuit protections in order to protect device from battery/ignition loads, to supply required length of connecting power cable (specify Make & model) to connect with the vehicle battery, USB Data cable & User manual, high quality safety pouch
12	Compliance/ Certificates	Ingress Protection(IP) Standard : Minimum IP 65 or higher compliance is required. MIL Standard: Proposed device should comply minimum MIL STD 810G standard for shock, vibration, dust & rain, mist, fog etc. environment protections. Drop test : Device should be capable of nearly 4 feet or higher drop level with certification under MIL. Bidder need to submit necessary test certification for all above three requirements/parameters issued by any of Indian/ Foreign Govt. approved organization /lab or IITs/NITs. CE/FCC/UL certification.
13	Application Support	Support all kind of third party android application and its installation requirement of the user. Device should support existing CAD mobile application SPMCR/NERES with live tracking command control application with other user applications. Other App support Whatsapp, facebook, twitter, notepad, memo, reminder etc.,
14	Device Support	It should be manufactured in the year 2019/2020 and should have support of minimum 5 to 7 years from the date of supply. Bidder needs to submit necessary undertaking letter issued by OEM for the same. Otherwise bid is liable for rejection.
15	On-site warranty	i) Minimum 3 years onsite OEM comprehensive replacement warranty including battery along with its mounting kit and vehicle charging kit. ii) One year warranty for external type normal USB based charging kit.

33318-014 - Tablet – 8” Android OS with SIM (32 GB Internal Storage)

S.No	Parameter	Specification
1	Display	8 inch +/- 0.1"
2	Resolution	1024 x 800 or above
3	SIM Slots	4G SIM with voice
4	Operating System	Android 9.0 Pie or above
5	Processor	1.5 GHZ Quad-Core or above
6	Memory	RAM – 2 GB or higher, Internal Storage – 32 GB, Expandable up to 64 GB microSD or higher
7	Camera	Rear – 5 MP or higher, Front – 2 MP or higher
8	Features	GPS, Micro USB/Type C Port, OTG Support, Bluetooth, WiFi, WiFi Hotspot, headphone/mic jack, Speaker, Microphone, FM Radio- Optional
9	Battery	4000 mAh Battery or above
10	Accessories	Battery Charger, USB data Cable
11	Certificates	SAR, BIS, CE and ROHS Certificates

33318-015 - Tablet – 10” Android OS with SIM, 4 GB RAM, Detachable Key Board & MDM Software

S.No	Parameter	Specification
1	Display	10 inch
2	Resolution	1280 x 800 IPS with 400 nits typical brightness or better
3	SIM Slots	1 Micro SIM slot with 2G/3G/4G LTE
4	Operating System	Android Marshmallow or above
5	Processor	1.3 GHZ Quad-Core or above
6	Memory	RAM – 4 GB DDR3 or higher, Internal Storage – 32 GB flash or higher, Expandable up to 64 GB microSD or higher
7	Camera	Rear – 5 MP auto focus or higher, Front – 2 MP fixed focus or higher
8	Features	MDM Software(Google verified), Sensors : Accelerometer, Radio : Integrated Voice Calling, Micro USB, 1W Speaker, Bluetooth 4.0, WiFi 802.11 b/g/n, GPS, OTG Support, headphone/mic jack, Microphone
9	Battery	4500 mAh Battery or above
10	Accessories	Detachable keyboard (with pogo pin), Battery Charger, USB data Cable.
11	Certificates	BIS, CE, ROHS certificates