

Sl. No.	Telecom Equipment/Products	Type of Testing	Technical Regulations	Testing Charges
1	<b>EMI/EMC Testing of Telecom Equipments</b>		<b>TEC/SD/DD/EMC-221/05/Oct-16</b>	
		Electrostatic Discharge Immunity	IEC 61000-4-2	10,000.00
		Electrostatic Discharge Immunity Test (for carrying out the testing for CD Level-4)	IEC 61000-4-2	10,000.00
		Radiated Susceptibility Test (one side of Product)	IEC 61000-4-3	20,000.00
		Electrical Fast Transient (EFT)/Burst Immunity Test (One I/P voltage & one frequency)	IEC 61000-4-4	10,000.00
		High Energy/ Telcom Surge Immunity Test (One I/P voltage & one frequency)	IEC 61000-4-5	15,000.00
		Conducted RF Immunity Test (One I/P voltage & one frequency)	IEC 61000-4-6	15,000.00
		Voltage Dips, Short interruption and Voltage variations Immunity Test (One I/P voltage & one frequency)	IEC 61000-4-11	10,000.00
		Conducted Emission Test (One I/P voltage & one frequency)	CISPR 11	15,000.00
		Radiated Emission Test (One I/P voltage & one frequency)	CISPR 11	35,000.00
		Conducted Emission Test (One I/P voltage & one frequency)	CISPR 22	15,000.00
		Radiated Emission Test (One I/P voltage & one frequency)	CISPR 22	35,000.00
		Conducted Emission Test (One I/P voltage & one frequency)	CISPR 32	15,000.00
		Radiated Emission Test (One I/P voltage & one frequency)	CISPR 32	35,000.00
		Conducted Emission Test (One I/P voltage & one frequency)	CISPR 14-1	15,000.00
		Radiated Emission Test (One I/P voltage & one frequency)	CISPR 14-1	35,000.00
		Conducted Emission Test (One I/P voltage & one frequency)	CISPR 25	15,000.00
		Radiated Emission Test (One I/P voltage & one frequency)	CISPR 25	35,000.00
		DC Dips and micro interruptions (One I/P voltage)	IEC 61000-4-29	10,000.00

## 1 List of Products covered under Phase – III of MTCTE

Product Category / Essential requirement	Technology	Price (INR)	Remarks
Tracking Device ER No. : TEC28732002	GSM or GPRS or EDGE	90,000.00	Considering any one band of testing only
	LTE or LTE-A	1,20,000.00	Considering any one band of testing only
	WCDMA or HSPA	90,000.00	Considering any one band of testing only
	BLE for IoT	100,000.00	Considering single data rate only
	WiFi 2.4 & 5 GHz IEEE 802.11 b mode IEEE 802.11 a mode	3,50,000.00	DFS and Adaptivity included
	SAR testing	1,50,000.00	Considering one band testing only

Product Category / Essential requirement	Technology	Price (INR)	Remarks
Smart Watch ER No. : TEC28982002	GSM or GPRS or EDGE	90,000.00	Considering any one band of testing only
	LTE or LTE-A	1,20,000.00	Considering any one band of testing only
	WCDMA or HSPA	90,000.00	Considering any one band of testing only
	BLE or RFID (850MHz) for IoT	100,000.00	Considering single data rate only
	NFC or RFID (13.56 MHz) for IoT	100,000.00	-
	WiFi 2.4 & 5 GHz IEEE 802.11 b mode IEEE 802.11 a mode	3,50,000.00	DFS and Adaptivity included
	SAR testing	1,50,000.00	Considering one band testing only

<b>Product Category / Essential requirement</b>	<b>Technology</b>	<b>Price (INR)</b>	<b>Remarks</b>
Smart Camera ER No. : TEC28822002	GSM or GPRS or EDGE	90,000.00	Considering any one band of testing only
	LTE or LTE-A	1,20,000.00	Considering any one band of testing only
	WCDMA or HSPA	90,000.00	Considering any one band of testing only
	BLE for IoT	100,000.00	Considering single data rate only
	NFC for IoT	100,000.00	-
	WiFi 2.4 & 5 GHz IEEE 802.11 b mode IEEE 802.11 a mode	3,50,000.00	DFS and Adaptivity included

<b>Product Category / Essential requirement</b>	<b>Technology</b>	<b>Price (INR)</b>	<b>Remarks</b>
IoT Gateway ER No. : TEC24492002	GSM or GPRS or EDGE	90,000.00	Considering any one band of testing only
	LTE or LTE-A	1,20,000.00	Considering any one band of testing only
	WCDMA or HSPA	90,000.00	Considering any one band of testing only
	BLE or RFID (850MHz) for IoT	100,000.00	Considering single data rate only
	NFC or RFID (13.56 MHz) for IoT	100,000.00	-
	ZigBee or 6LoWPAN	2,00,000.00	-
	LPWAN – LoRa or LPWAN – SigFox	2,00,000.00	-
	WiFi 2.4 & 5 GHz IEEE 802.11 b mode IEEE 802.11 a mode	3,50,000.00	DFS and Adaptivity included

<b>Product Category / Essential requirement</b>	<b>Technology</b>	<b>Price (INR)</b>	<b>Remarks</b>
Smart Electricity Meter ER No. : TEC28362002	GSM or GPRS or EDGE	90,000.00	Considering any one band of testing only
	LTE or LTE-A	1,20,000.00	Considering any one band of testing only
	WCDMA or HSPA	90,000.00	Considering any one band of testing only

<b>Product Category / Essential requirement</b>	<b>Technology</b>	<b>Price (INR)</b>	<b>Remarks</b>
End Point Device for Environmental Monitoring ER No. : TEC23732002	GSM or GPRS or EDGE	90,000.00	Considering any one band of testing only
	LTE or LTE-A	1,20,000.00	Considering any one band of testing only
	WCDMA or HSPA	90,000.00	Considering any one band of testing only

<b>Product Category / Essential requirement</b>	<b>Technology</b>	<b>Price (INR)</b>	<b>Remarks</b>
Equipments Operating in 2.4 GHz and 5 GHz Band ER No. : TEC59432005	WiFi 2.4 & 5 GHz IEEE 802.11 b mode IEEE 802.11 a mode	3,50,000.00	DFS and Adaptivity included

## 2 List of Products Covered under Phase – IV of MTCTE

Product Category / Essential requirement	Technology	Price (INR)	Remarks
Satellite Communication Equipment ER No. : TEC57282005	Satellite Communication	55,000.00	Considering Frequency & Power Measurement Only For Satellite Radio Frequency Transceiver

Product Category / Essential requirement	Technology	Price (INR)	Remarks
Radio Broadcast Receivers ER No. : TEC70022008	WiFi 2.4 & 5 GHz IEEE 802.11 b mode IEEE 802.11 a mode	3,50,000.00	DFS and Adaptivity included
	Bluetooth EDR	100,000.00	Considering single data rate only

Product Category / Essential requirement	Technology	Price (INR)	Remarks
HF Radio ER No. : TEC54372005	BLE or RFID (850MHz) for IoT	100,000.00	Considering single data rate only
	NFC or RFID (13.56 MHz) for IoT	100,000.00	-
	WiFi 2.4 & 5 GHz IEEE 802.11 b mode IEEE 802.11 a mode	3,50,000.00	DFS and Adaptivity included

<b>Product Category / Essential requirement</b>	<b>Technology</b>	<b>Price (INR)</b>	<b>Remarks</b>
VHF UHF Radio System Equipment ER No. : TEC58432005	BLE or RFID (850MHz) for IoT	100,000.00	Considering single data rate only
	NFC or RFID (13.56 MHz) for IoT	100,000.00	-
	WiFi 2.4 & 5 GHz IEEE 802.11 b mode IEEE 802.11 a mode	3,50,000.00	DFS and Adaptivity included

<b>Product Category / Essential requirement</b>	<b>Technology</b>	<b>Price (INR)</b>	<b>Remarks</b>
PTP PMP Microwave Fixed Radio Systems ER No. : TEC56422005	BLE or RFID (850MHz) for IoT	100,000.00	Considering single data rate only
	NFC or RFID (13.56 MHz) for IoT	100,000.00	-
	WiFi 2.4 & 5 GHz IEEE 802.11 b mode IEEE 802.11 a mode	3,50,000.00	DFS and Adaptivity included

<b>Product Category / Essential requirement</b>	<b>Technology</b>	<b>Price (INR)</b>	<b>Remarks</b>
IP Multimedia Conferencing Equipment ER No. : TEC34622104	LTE or LTE-A	1,20,000.00	Considering any one band of testing only
	WCDMA or HSPA	90,000.00	Considering any one band of testing only
	WiFi 2.4 & 5 GHz IEEE 802.11 b mode IEEE 802.11 a mode	3,50,000.00	DFS and Adaptivity included

<b>Product Category / Essential requirement</b>	<b>Technology</b>	<b>Price (INR)</b>	<b>Remarks</b>
Point of Sale Devices ER No. : TEC17671911	GSM or GPRS or EDGE	90,000.00	Considering any one band of testing only
	LTE or LTE-A	1,20,000.00	Considering any one band of testing only
	WCDMA or HSPA	90,000.00	Considering any one band of testing only
	BLE or RFID (850MHz) for IoT	100,000.00	Considering single data rate only
	NFC or RFID (13.56 MHz) for IoT	100,000.00	-
	WiFi 2.4 & 5 GHz IEEE 802.11 b mode IEEE 802.11 a mode	3,50,000.00	DFS and Adaptivity included