

**CORRIGENDUM – I**  
**DT 25-06-2024**

**TENDER NOTIFICATION FOR**

**Tender for setting up Data Center at SCADA , Balaji Estate ,Kalkaji in BRPL**

**NIT NO: CMC/BR/24-25/RB/PR/MS/1193**

**Tender Date: 08.06.2024**

**BSES RAJDHANI POWER LTD (BRPL)**

**Corporate Identification Number: U74899DL2001PLC111527**

**Telephone Number: +91 11 3009 9999**

**Fax Number: +91 11 2641 9833**

**Website: [www.bsedelhi.com](http://www.bsedelhi.com)**

**CORRIGENDUM I: NIT NO: CMC/BR/24-25/RB/PR/MS/1193 DT 08-06-2024**

Query Type Technical/ Commercial	Page No	Clause No	BRPL NIT Clause	Corrigendum - I																										
Commercial	16	Payment terms	Payment terms <table border="1"> <thead> <tr> <th>S. No</th> <th>Milestones</th> <th>% of Payment</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Completion of Civil works</td> <td>15%</td> </tr> <tr> <td>2</td> <td>Successful Installation of PAC and electric work</td> <td>20%</td> </tr> <tr> <td>3</td> <td>Rack installation with Cable installed and old data center connected</td> <td>20%</td> </tr> <tr> <td>4</td> <td>Integration of DCMS system including CCTV, Biometric, NOVAC, RACK</td> <td>15%</td> </tr> <tr> <td>5</td> <td>Decommissioning of Hardware/ RACK from existing Data Center</td> <td>15%</td> </tr> <tr> <td>6</td> <td>Completion of SOP'S/ documentation, training and hand-over</td> <td>15%</td> </tr> <tr> <td colspan="2"><b>Total Amount with GST</b></td> <td><b>100%</b></td> </tr> </tbody> </table>	S. No	Milestones	% of Payment	1	Completion of Civil works	15%	2	Successful Installation of PAC and electric work	20%	3	Rack installation with Cable installed and old data center connected	20%	4	Integration of DCMS system including CCTV, Biometric, NOVAC, RACK	15%	5	Decommissioning of Hardware/ RACK from existing Data Center	15%	6	Completion of SOP'S/ documentation, training and hand-over	15%	<b>Total Amount with GST</b>		<b>100%</b>	New Payment terms and Advance bank guarantee clause as mentioned below		
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Commercial	19	Liquidated Damages	Penalty will be deducted for downtime of the system as below <table border="1"> <thead> <tr> <th>S. No</th> <th>Milestones</th> <th>Time line</th> <th>Liab to pay by bidder</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Completion of Civil works</td> <td>by Week 4</td> <td rowspan="2">7% of the total value</td> </tr> <tr> <td>2</td> <td>Successful Installation of PAC and electric work</td> <td>by Week 6</td> </tr> <tr> <td>3</td> <td>Rack installation with Cable installed and old data center connected</td> <td>By Week 8</td> <td></td> </tr> <tr> <td>4</td> <td>Integration of DCMS system including CCTV, Biometric, NOVAC, RACK</td> <td>By Week 12</td> <td rowspan="2">5% of the total Value</td> </tr> <tr> <td>5</td> <td>Completion of SOP'S/documentation, training and hand-over</td> <td>By Week 14</td> </tr> <tr> <td>6</td> <td>Decommissioning of Hardware/RACK from existing Data Center</td> <td></td> <td></td> </tr> </tbody> </table>	S. No	Milestones	Time line	Liab to pay by bidder	1	Completion of Civil works	by Week 4	7% of the total value	2	Successful Installation of PAC and electric work	by Week 6	3	Rack installation with Cable installed and old data center connected	By Week 8		4	Integration of DCMS system including CCTV, Biometric, NOVAC, RACK	By Week 12	5% of the total Value	5	Completion of SOP'S/documentation, training and hand-over	By Week 14	6	Decommissioning of Hardware/RACK from existing Data Center			New Penalty terms as mentioned below
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**CORRIGENDUM I: NIT NO: CMC/BR/24-25/RB/PR/MS/1193 DT 08-06-2024**

Commercial	43	7	10% of total order value valid for 60 months after commissioning or 66 months from the last date of dispatch, whichever is earlier plus 3 months towards claim period.	10% of total order value valid for 12 months after commissioning or 15 months from the last date of dispatch, whichever is earlier plus 3 months towards claim period.
General Clause		Limitation of liabilities and consequential Damages:	RFQ document does not include limitation of liabilities clause. It is required to include limitation of liabilities clause with capping to the contract value and exclusion of consequential damages.	New Clause as mentioned below
General Clause	33 of 78	Section V: RFQ - Clause 19	Indemnity	New Clause as mentioned below
General Clause			CEA Compliance	Addition of CEA Compliance
COMMERCIAL TERMS AND CONDITIONS – SUPPLY	43	Appendix I	As per NIT	Revised Format as mentioned below
Performance Certificate	48	Appendix VI	As per NIT	Revised Format as mentioned below

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Manufacturer Authorization form	52	Appendix X	As per NIT	Revised format as mentioned below
Bid Submission and Opening of Technical Bids	7	Bid Submission	Last date of receipt of bid documents : 28.06.2024, 10.00 HRS	<b>Last date of receipt of bid documents : 05.07.2024, 15.00 HRS</b>
	7	Technical Bid Opening	Date & time of opening of tender – Part A: 28.06.2024, 11.30 HRS	<b>Date &amp; time of opening of tender – Part A: 05.07.2024, 15.30 HRS</b>

**Note : For pre-bid replies, please refer another sheet enclosed on website.**

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<b>Payment terms linked with Project activity - Milestones</b>	<b>Percentage</b>	<b>Period</b>
Advance against PO on submission of Advance Bank Guarantee	20%	On submission of Advance Bank Guarantee
Design Layout and SLD Drawings, Electrical Work , Civil Work ,(90%) Commissioning of UPS power source , Installation of Racks with Old DC connectivity ISP Based Parallel connectivity and raceway installation PAC installation and commissioning	30%	Week 1-12
Rest of the BoQ Services IBMS/DCIM integration with all proposed data center services like CCTV, Biometers /Fire management system etc. and Civil Works(remaining 10%)	20%	week 13-14
On successful completion and handing over of project.	30%	week 14-16

**Advance Bank Guarantee**

20% advance against submission of BG of equivalent amount valid up to completion period/ handing over, whichever is earlier plus 3 months claim period. In case of delay, the BG shall be extended suitably.

**Indemnification**

Notwithstanding contrary to anything contained in this RFQ, Supplier shall at his costs and risks make good any loss or damage to the property of the Purchaser and/or the other Supplier engaged by the Purchaser and/or the employees of the Purchaser and/or employees of the other Supplier engaged by the Purchaser whatsoever arising out of the negligence of the Supplier while performing the obligations under this contract.

**CORRIGENDUM I: NIT NO: CMC/BR/24-25/RB/PR/MS/1193 DT 08-06-2024**

**Limitation of Liability**

,Whether arising in contract, tort (including negligence whether active or passive), warranty, strict liability or otherwise, the liability of the Supplier, its agents, employees, subcontractors and suppliers with respect to any and all claims arising out of the performance or nonperformance of obligations under the contract, whether arising in contract, tort (including negligence whether active or passive), warranty, strict liability or otherwise, shall not exceed in the aggregate the payment received and shall in no event include damages for loss of profit, loss of revenues, loss of power, loss of use, costs of capital, downtime costs, delays and claims of customers of purchaser or costs of replacement of power or loss of anticipated savings, increased costs of operation or for any special, indirect or consequential damage, loss of any nature whatsoever whether arising in contract, tort (including negligence whether active or passive), warranty, strict liability or otherwise.

No such claim shall be asserted against the Supplier, its agents, employees, subcontractors or suppliers, unless the injury, loss or damage giving rise to the claim is sustained prior to the expiration of the period of warranty specified in the Contract and no suit or action thereon shall be instituted.

This LIMITATION OF LIABILITY Article shall prevail over any conflicting or inconsistent provisions contained in any of the documents comprising the Contract, except to the extent such conflicting or inconsistent provisions further restrict the Supplier's liability.

The Supplier does not accept any liability for defects or depreciation caused by damage due to lightning, rain, neglect, misuse or other abnormal conditions directly to circumstances beyond our control.

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**Liquidated Damages**

If supply of items / equipment is delayed beyond the supply schedule as stipulated in LOI/PO, then the Supplier shall be liable to pay the Purchaser for delay as mentioned below:

Penalty will be deducted for downtime of the system as below

<b>Payment terms linked with Project activity</b>	<b>Period</b>	<b>Penalty (Week Wise)</b>	<b>Activity based penalty clause</b>
Design Layout and SLD Drawings, Electrical Work , Civil Work ,(90%) Commissioning of UPS power source , Installation of Racks with Old DC connectivity ISP Based Parallel connectivity and raceway installation PAC installation and commissioning	After 12 Week	2% per week maximum upto 16 week	Total Value - 6%
Rest of the BoQ Services IBMS/DCIM integration with all proposed data center services like CCTV, Biometers /Fire management system etc. and Civil Works(remaining 10%)	After 16 Week	2% of per week maximum upto 18 week	Total Value – 4%
On successful completion and handing over of project.			

The Purchaser may, without prejudice to any method of recovery, deduct the amount for such damages from any amount due or which may become due to the Supplier or from the Performance Bond or file a claim against the supplier.

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**Appendix- I**

**COMMERCIAL TERMS AND CONDITIONS – SUPPLY**

Sl No	Item Description	AS PER BRPL	BIDDER'S CONFIRMATION
1	Validity	120 days from the due date of submission or amended due date of submission	
2	Price basis	a) <b>Firm</b> , FOR Delhi store basis. Prices shall be inclusive of GST, freight up to Delhi stores. b) Unloading at stores / site - in vendor's scope c) Transit insurance in BRPL scope	
3	Payment terms	As mentioned in Clause 8.0 TERMS OF PAYMENT AND BILLING	
4	Delivery time	As per BRPL Requirement	
5	Defect Liability period	1 Year onsite Warranty and support with 24x7 as per BOQ and mentioned in clause 13.0 WARRANTY/DEFECTS LIABILITY PERIOD	
6	Penalty for delay	As mentioned in Clause 20: Liquidated damages	
7	Advance Bank Guarantee	20% advance against submission of BG of equivalent amount valid up to completion period/ handing over, whichever is earlier plus 3 months claim period. In case of delay, the BG shall be extended suitably.	

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8	Performance Bank Guarantee	10% of total order value valid for 60 months after commissioning or 66 months from the last date of dispatch, whichever is earlier plus 3 months towards claim period.	
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**APPENDIX - VI**

**PERFORMANCE CERTIFICATE**

**To be provided on letter head of the issuing company**

This is to certify that M/s \_\_\_\_\_ has successful implemented the project of setting up of Data Center.

The Solution was implemented on \_\_\_\_\_(Date of Implementation) and is running successfully since then.

The services provided by the M/s \_\_\_\_\_ are satisfactory.

The certificate has been issued on the specific request of the company.

**Date:** \_\_\_\_\_

**Place:** \_\_\_\_\_

**Signature of Authorized Signatory Name of Signatory:**

**Designation:**

**Seal of Company**

**Note: Separate annexure for implementation of data center needs to be submitted with technical evaluation.**

**CORRIGENDUM I: NIT NO: CMC/BR/24-25/RB/PR/MS/1193 DT 08-06-2024**

**APPENDIX X**

**MANUFACTURER'S (OEM) AUTHORIZATION FORM (MAF)**

(To be provided on the Letter head of each of the OEM duly signed & stamped by their Authorized Signatory.)

We hereby submit the following:-

1. We, M/s \_\_\_\_\_ are the OEM of \_\_\_\_\_ (Storage/Server /SAN Switch, being offered to ..... through M/s \_\_\_\_\_ (Bidder's Name), who is our authorized Partner/representative in India for supply/ installation/commissioning of this Product/Solution/Hardware.
  2. We undertake that the hardware of \_\_\_\_\_ (OEM Name) proposed in this tender is compatible with our Server/storage (Valid for Appliance/ Storage OEM only).
  3. We undertake that the Server /storage of \_\_\_\_\_ (OEM Name) proposed in this tender is compatible with our server/ storage (Valid for server and storage OEM only).
  4. We agree to provide services as per the scope of work and technical specifications of this RFP through our partner M/s \_\_\_\_\_.
  5. In case the bidder i.e. M/s \_\_\_\_\_ is not able to perform obligations as per contract during contract period, we will perform the said obligations.
  6. We undertake to continue to extend services as per given scope of work of RFP during contract period through mutually agreed third party/any other authorized Partner of ours in case:-
    - a) Bidder M/s \_\_\_\_\_, ceases to exist from the ICT Industry
- OR**
- b) Bidder M/s \_\_\_\_\_ stops services or support to BRPL

**CORRIGENDUM I: NIT NO: CMC/BR/24-25/RB/PR/MS/1193 DT 08-06-2024**

**OR**

c) There is dispute between bidder M/s \_\_\_\_\_, and us.

**OR**

d) Bidder M/s \_\_\_\_\_, terminates contract due any reasons with us.

**Note: Separate annexure for implementation of data center needs to be submitted with technical evaluation.**

**Date:** \_\_\_\_\_

**Place:** \_\_\_\_\_

**Yours faithfully**

**Signature of Authorized Signatory Name of Signatory:**

**Designation:**

**Seal of Company**

**CORRIGENDUM I: NIT NO: CMC/BR/24-25/RB/PR/MS/1193 DT 08-06-2024**

No. 14/02/2021-UR&SI-II-Part(1)(E-258136)

Government of India

Ministry of Power

\*\*\*\*\*

Shram Shakti Bhawan, Rafi Marg  
New Delhi, Dated: 10<sup>th</sup> January, 2024

To

The Chairperson,  
Central Electricity Authority,  
Seva Bhavan, R.K. Puram,  
New Delhi.

**Subject: Mandatory Testing and Certification of Telecom Equipment (MTCTE).**

Sir,


With reference to the subject cited above, I am directed to say that the Department of Telecom vide letter no. 6-6/2021-TC/TEC dated 17.10.2023 has requested to ensure that only MTCTE certified Telecom and Networking products are procured and connected in the Indian Telecom Network as mandated by Indian Telegraph (Amendment) Rules, 2017. It was also requested that regulatory requirement of obtaining MTCTE certification by OEMs/ Importers before sale of notified Telecom & Networking products may also be communicated to Manufacturers/ Sellers, who are supplying / selling such Telecom & Networking products.

2. In this regard, it was also informed that MTCTE certificate for 12 products being connected to Telecom Network/ used for data transfer (such as Router, LAN Switch, Smart Electricity Meters etc.) will become mandatory from 01.04.2024 and for remaining 32 products from 01.01.2024 (list enclosed).

3. In view of the above, it is requested to take all necessary measures in this regard so that the requirement for MTCTE certification can be made mandatory for OEMs/ Importers as per the stipulated timelines. It is further requested to submit a detailed action plan in this regard to this Ministry latest by 12.01.2024.

5. This is issued with the approval of Competent Authority.

Yours faithfully



(Bimlesh Pawar)

Under Secretary (UR&SI-II)

Encl.: As above.

Copy to:

1. CMD, REC
2. CMD, PFC

Also copy to: PPS to Secretary (Power)/ PSO to Joint Secretary (Distribution)/  
PPS to Dy. Secretary (UR&SI)



डॉ. नीरज मिश्र, भा.प्र.से.  
सचिव

DR. NEERAJ MITTAL, IAS  
Secretary



भारत सरकार  
संचार मंत्रालय  
दूरसंचार विभाग

GOVERNMENT OF INDIA  
MINISTRY OF COMMUNICATIONS  
DEPARTMENT OF TELECOMMUNICATIONS

**DO. No. 6-6/2021-TC/TEC**  
17<sup>th</sup> October, 2023

Dear *Rankaj,*

This letter pertains to procurement of telecom equipment (that may be procured for projects such as Bharatnet and local state telecom/ IT projects) by the State Governments that need to be MTCTE certified. In this regard, Department of Telecommunications (DoT) has notified the 'Indian Telegraph (Amendment) Rules, 2017' vide Gazette Notification No G.S.R. 1131(E) dated 5<sup>th</sup> September 2017 on 'Testing and Certification of Telegraph.' The said notification mandates that *any telegraph (telecom) equipment which is used or capable of being used with Indian telecom network, shall have to undergo prior Mandatory Testing & Certification in respect of parameters as determined by the telegraph authority from time to time.* The above rules have come into force on 1<sup>st</sup> October 2018. (Copy of Gazette Notification dated 5<sup>th</sup> September 2017 is available on DoT website <https://dot.gov.in/act-rules>.)

2. The objective of said mandatory testing and certification is to ensure:
- That any Telecom Equipment does not degrade performance of existing network to which it is connected;
  - Safety of the end-users;
  - Protection of users and general public by ensuring that radio frequency emissions from equipment do not exceed prescribed standards;
  - That telecom equipment complies with the relevant national and international regulatory standards and requirements and
  - Security of Telecom Network/ Systems.

3. In pursuance to above Rules, Telecommunication Engineering Centre (TEC), the technical body under Department of Telecommunications (DoT) is administrating the implementation of Mandatory Testing & Certification of Telecom Equipment (MTCTE) Scheme. The specific Telecom & Networking product covered under MTCTE scheme is notified by TEC from time to time on MTCTE website (<https://www.mtcte.tec.gov.in>) indicating certification enforcement date.

4. As on date, MTCTE certificate is mandatory for Telecom & Networking product such as Cordless/CLIP/Landline Phone, PABX, FTTH OLT/ONT/ONU used for broadband services etc. prior to their sale/use in India (Annexure-A).

Contd....2/-

Further, from 1st January 2024, MTCTE certificate for more products (such as Router, LAN Switch, wifi Access Modems, IoT gateway, Tracking Device, Smart electricity meter, End Point Device for Environmental Monitoring, Optical Fibre, Optical Fibre Cable, Walkie-talkie etc.) will become mandatory as being connected to Telecom network/used for data transfer. The complete list of such notified Telecom product is available on MTCTE website.

Presently, the MTCTE certificate has been issued to more than 3,000 Telecom & Networking product models. The details of MTCTE certified products are available on website (<https://www.mtcte.tec.gov.in> > certified equipment).

5. In view of the above, it is requested to kindly inform about Mandatory Testing & Certification of notified Telecom equipment to IT Department and other concerned departments/Autonomous bodies/attached offices etc., so as to ensure that only MTCTE certified Telecom & Networking products are procured and connected in the Indian Telecom Network as mandated by Indian Telegraph (Amendment) Rules, 2017. Further, the regulatory requirement of obtaining MTCTE certification by OEMs/Importers before sale of notified Telecom & Networking products may also be communicated to Manufacturers/Sellers, who are supplying/selling such Telecom & Networking products.

6. In case of any further details or clarification in this regard, Director (TC-1), TEC, New Delhi may be contacted on e-mail id: [dirta.tec@gov.in](mailto:dirta.tec@gov.in).

Yours sincerely

Encl: as above

  
(Neeraj Mittal)

**Shri Pankaj Agarwal**  
Secretary  
Ministry of Power  
Room No.205, Shramshakti Bhawan  
Rafi Marg  
New Delhi - 110 001.

**Annexure-A****List of Notified Telecom & Networking Products under Mandatory Testing & Certification of Telecom Equipment (MTCTE)**

S.N	Essential Requirement/ Product Name	Main Product Variants	MTCTE Phase	Mandatory date of certification of product under MTCTE
1.	2- Wire Telephone Equipment	2-Line Feature Phone; CLIP (Calling Line Identification Presentation) Phone; Electronic Telephone Instrument; Executive Telephone Systems; Key Telephone Systems; Key Telephone Systems with proprietary interface;	Phase-1	1st October, 2019
2.	G3 Fax Machine	FAX machine with & without handset	Phase-1	1st October, 2019
3.	Modem	V.90 or V.92 or V.21 to V.34 Modem	Phase-1	1st October, 2019
4.	Cordless Telephone	Cordless Telephone	Phase-1	1st October, 2019
5.	ISDN (Integrated Services Digital Network) Customer Premises Equipment	ISDN Gateway; ISDN Terminal;	Phase-1	1st October, 2019
6.	Private Automatic Branch Exchange	Private Automatic Branch Exchange	Phase-1	1st October, 2019
7.	PON (Passive Optical Network) Family of Broadband Equipment	PON OLT (Optical Line Terminal); PON ONT (Optical Network Terminal); PON ONU (Optical Network Unit);	Phase-2	1st October, 2020
8.	Feedback Device	Feedback Device	Phase-2	1st October, 2020
9.	Transmission Terminal Equipment	Multiplexing Equipment; SDH (Synchronous Digital Hierarchy) Equipment	Phase-2	1st October, 2020

**Note 1:** The complete list/details of MTCTE notified products with enforcement date are available on website <https://www.mtcte.tec.gov.in>

**Note 2:** The details of MTCTE certified products (make & model) are available on website (<https://www.mtcte.tec.gov.in> > certified equipment)



**Telecommunication Engineering Centre**  
**(Department of Telecommunications)**  
**Khurshid Lal Bhawan, Janpath, New Delhi - 110 001**  
<https://www.tec.gov.in/>

No. 5-2/2021-TC/TEC/185

Dated: 27/12/2023

**Amendment Notification**


**Subject: Extension of mandatory certification date for 12 products (ERs) notified under phase-III & IV of MTCTE by three months i.e. from 01.01.2024 to 01.04.2024 -reg.**

**Ref: No. 5-2/2021-TC/TEC/131 dated 23/06/2023 & no. 5-2/2021-TC/TEC/172 dated 27/09/2023**

In partial modification to this office Notification no. 5-2/2021-TC/TEC/131 dated 23/06/2023 & no. 5-2/2021-TC/TEC/172 dated 27/09/2023, w.r.t. the testing and certification of telecom & networking equipment notified under Phase-III & Phase-IV of MTCTE regime, the following amendments are hereby notified with immediate effect as mentioned below:

- a. Extension of date of mandatory certification of 12 products (ERs) out of 44 products notified under MTCTE phase-III and IV by three months i.e. from 01.01.2024 to 01.04.2024. The list of 12 products is placed at Annexure-I.  
Mandatory date of certification for remaining 32 products (ERs) shall remain unchanged i.e. 01.01.2024. The list of 32 products is placed at Annexure-II.
- b. Extension of last date of acceptance of test reports issued by labs accredited by International Laboratory Accreditation Cooperation (ILAC) signatories from non-border sharing countries by three months for technical parameters only i.e. from 31.12.2023 to 31.03.2024 for the 08 products (ERs) mentioned in Annexure-III.

This issues with the approval of Competent Authority.

  
27/12/2023  
अवधेश सिंह/Avadhesh Singh  
निदेशक (टी०सी०-I)/Director (TC-I)  
Email- [dirta.tec@gov.in](mailto:dirta.tec@gov.in)

Copy to (through email):

- i. PS to Hon' ble MoC, DOT, New Delhi
- ii. PS to Hon'ble MoSC, DOT, New Delhi
- iii. PPS to Secretary (T), DOT, New Delhi
- iv. PPS to Member(S)/ Member(T)/ Member(F)/ DG(Telecom), DOT, New Delhi
- v. Advisor, TEC New Delhi / Sr. DDG, NCCS Bangalore/ CEO, C-DOT
- vi. JS (Customs), CBIC
- vii. AD (IT)/AD (TC), TEC for uploading on TEC/MTCTE website
- viii. Office copy

*Md. Arif*  
*28/12/2023*

**List of 12 products (ERs) under phase-III & IV of MTCTE with  
mandatory certification date as 01.04.2024**

S No	ER/Product	Notified in Phase
1.	Base Station for cellular network	Phase-III
2.	Repeater for Cellular Network	Phase-III
3.	Smart Electricity Meter	Phase-III
4.	SIM	Phase-IV
5.	HF Radio	Phase-IV
6.	Mobile Radio Trunking System	Phase-IV
7.	VHF UHF Radio System Equipment	Phase-IV
8.	PTP PMP Microwave Fixed Radio System	Phase-IV
9.	LAN Switch	Phase-IV
10.	Router	Phase-IV
11.	IP Security Equipment	Phase-IV
12.	Satellite Communication Equipment	Phase-IV

*27/11/2023*  
*27/11/2023*

**List of 32 products (ERs) under phase-III & IV of MTCTE with  
mandatory certification date as 01.01.2024**

S.No	ER/Product	Notified in Phase
1.	Compact Cellular Network	Phase-III
2.	Equipments Operating in 2.4 GHz and 5 GHz Band	Phase-III
3.	IoT Gateway	Phase-III
4.	Tracking Device	Phase-III
5.	End Point Device for Environmental Monitoring	Phase-III
6.	Radio Broadcast Receiver RBR	Phase-IV
7.	Optical Fibre-Single Mode	Phase-IV
8.	Optical Fibre Cable	Phase-IV
9.	DSL Equipments	Phase-IV
10.	Signalling Gateway	Phase-IV
11.	Session Border Controller	Phase-IV
12.	Softswitch	Phase-IV
13.	Media Gateway	Phase-IV
14.	Precision Timing Protocol Grand Master Equipment	Phase-IV
15.	Infiniband Switch	Phase-IV
16.	IP Multimedia Conferencing Equipment	Phase-IV
17.	Conferencing Equipment	Phase-IV
18.	Transmission Terminal Equipment-2 (DWDM, Digital Cross Connect)	Phase-IV
19.	Mobility Management Entity (MME)	Phase-IV
20.	Serving GPRS Support Node (SGSN)/Gateway GPRS Support Node (GGSN)	Phase-IV
21.	Base Station Controller (BSC)/Radio Network Controller (RNC)	Phase-IV
22.	Cell Broadcast Centre (CBC)	Phase-IV
23.	Gateway Mobile Location Centre (GMLC)	Phase-IV
24.	Home Location Register (HLR)/Authentication Centre(AUC)/Home Subscriber Server (HSS)	Phase-IV

*27/11/2023*

25.	Mobile Switching Centre (MSC)/MSC-Server (MSC-S)/ Gateway MSC (GMSC) / Gateway MSC- Server (GMSC-S) including Visitor Location Register (VLR)	Phase-IV
26.	OTA and DM or FOTA	Phase-IV
27.	Service Control Point (SCP)	Phase-IV
28.	Operation Maintenance Support (OMC) / Element Management System (EMS) / Network Management System (NMS) / Operation Support System (OSS)	Phase-IV
29.	Serving Gateway (S-GW) / Packet Gateway (P-GW)	Phase-IV
30.	Short Message Service Centre (SMSC)	Phase-IV
31.	Serving Mobile Location Centre (SMLC) or eSMLC	Phase-IV
32.	Equipment Identity Register (EIR)	Phase-IV

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*27/12/2023*

**List of 08 products (ERs) under phase-III & IV of MTCTE for acceptance of test reports in respect of 'Technical Parameter' up to 31.03.2024 from labs accredited by ILAC signatories from non- border sharing countries**

S. No	ER/Product	Notified in Phase
1.	Base Station for cellular network	Phase-III
2.	Repeater for Cellular Network	Phase-III
3.	Compact Cellular Network	Phase-1 II
4.	SIM	Phase-IV
5.	HF Radio	Phase-IV
6.	VHF UHF Radio System Equipment	Phase-IV
7.	Radio Broadcast Receiver RBR	Phase-IV
8.	Satellite Communication Equipment	Phase-IV

Note: - As on the date of submission of test reports, the validity of test reports/results issued by foreign labs accredited by ILAC signatories from non-border sharing countries for technical parameters only shall be up to two years in respect of the above products (ERs).

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*Handwritten signature and date:*  
27/12/2023