

**CORRIGENDUM – III**  
**DT 17-01-2024**

**TENDER NOTIFICATION FOR**

**TENDER FOR PROCUREMENT OF IT INFRASTRUCTURE FOR SCADA MCC AND BCC  
LOCATIONS IN BRPL**

**NIT NO: CMC/BR/23-24/RB/PR/MS/1167**

**Tender Date: 14.12.2023**

**BSES RAJDHANI POWER LTD (BRPL)**

Corporate Identification Number: **U74899DL2001PLC111527**

Telephone Number: +91 11 3009 9999

Fax Number: +91 11 2641 9833

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

**CORRIGENDUM III: NIT NO: CMC/BR/23-24/RB/PR/MS/1167**

**Change in Clause and Price Format**

Page No	NIT Clause	Corrigendum - III
2	<p>Clause 1.02.1</p> <p><b>Earnest Money Deposit (EMD)</b> of value Rs 7,03,000/- is not deposited in shape of Demand Draft/Pay Order/Banker's Cheque /Bank Guarantee drawn in favour of BSES Rajdhani Power Ltd, payable at Delhi.</p>	<p>Clause 1.02.1</p> <p><b>Earnest Money Deposit (EMD)</b> of value Rs 7,03,000/- is not deposited in shape of Bank Fixed deposit (line marked in favor of BSES RAJDHANI POWER LTD.)/ Bank Guarantee valid for One Hundred Fifty (150) days after due date of submission or amended due date of submission drawn in favor of BSES Rajdhani Power Ltd, 1ST FLOOR, C - BLOCK,BSES BHAWAN,NEHRU PLACE, NEW DELHI – 110019 by any Indian bank/ foreign bank having service branch in India.</p>
10	<p>Clause no 09</p> <p>The EMD shall be denominated in any of the following form:</p> <p>a) Banker's Cheque / Demand Draft/Pay Order drawn in favour of BSES Rajdhani Power Ltd, payable at Delhi.</p>	<p>Clause no 09</p> <p>The EMD shall be denominated in any of the following form:</p> <p>a) Bank Guarantee / Fixed Deposit drawn in favour of BSES Rajdhani Power Ltd, payable at Delhi.</p>
24,25, 26	Price Format (Section IV)	Revised Price Format (Section IV) as mentioned below
New Clause		Bidder has to submit the certification letter (on OEM's Letter Head) that supplying products are approved by MTCTE under this NIT as per Circular No 14/02/2021-UR&SI-II-Part(1) (E-258136) by Govt. of India mentioned below.

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**SECTION IV**  
**PRICE FORMAT**

S. No.	Material	Material Configuration	Operating System	Qty	UOM	Unit Rate without GST	GST (In %)	Unit Rate with GST	Amount = Qty X Unit Rate with GST
1	Scada Server	1U, Intel Xeon-Silver 4309Y 8C, 64GB DDR4, 2x600GB 12G SAS 15K RPM	RHEL 9	4	NOS				
2	UDW server	2U, Intel Xeon-Silver 4309Y 8C, 128GB DDR4, 2x960GB SAS SSD, 10x8 TB 12G SAS, 2 x single port 16 Gbps FC HBA	RHEL 9	4	NOS				
3	Access Server	1U, Intel Xeon-Silver 4309Y 8C, 64GB DDR4, 2x600GB 12G SAS 15K RPM	Win2022 std with downgrade to 2019	4	NOS				
4	AD server	1U, Intel Xeon-Silver 4309Y 8C, 64GB DDR4, 2x600GB 12G SAS 15K RPM	Win2022 std with downgrade to 2019	4	NOS				
5	ICCP Server	1U, Intel Xeon-Silver 4309Y 8C, 64GB DDR4, 2x600GB 12G SAS 15K RPM	RHEL 9	3	NOS				
6	DE Server	1U, Intel Xeon-Silver 4309Y 8C, 64GB DDR4, 2x600GB 12G SAS 15K RPM	Win2022 std with downgrade to 2019	2	NOS				
7	FE server (RTU)	1U, Intel Xeon-Silver 4309Y 8C, 64GB DDR4, 2x300GB 12G SAS 15K RPM	RHEL 9	12	NOS				
8	FE server (FRTU)	1U, Intel Xeon-Silver 4309Y 8C, 64GB DDR4, 2x300GB 12G SAS 15K RPM	RHEL 9	8	NOS				
9	Interface Server	1U, Intel Xeon-Silver 4309Y 8C, 64GB DDR4, 2x600GB 12G SAS 15K RPM	Win2022 std with downgrade to 2019	2	NOS				

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10	Backup & Recovery Server	1U, Intel Xeon-Silver 4309Y 8C, 64GB DDR4, 2x600GB 12G SAS 15K RPM, 2 x single port 16 Gbps FC HBA	Win2022 std with downgrade to 2019	1	NOS				
11	Thin Client	1U, Intel Xeon-Silver 4309Y 8C, 128GB DDR4, 2x300GB 12G SAS 15K RPM with 50 licence	Win2022 std with downgrade to 2019	3	NOS				
12	Antivirus Server	1U, Intel Xeon-Silver 4309Y 8C, 64GB DDR4, 2x600GB 12G SAS 15K RPM with 60 node licence	Win2022 std with downgrade to 2019	1	NOS				
13	DE Workstation	Tower, Intel Xeon W-22356C, 16GB DDR4, 512GB NVMe, NVIDIA Quadro NVS 450 512MB Graphics support dual HDMI monitor, Keyboard, Mouse	Win 10 IoT Ent LTSC 2021 downgrade to 2019	6	NOS				
14	Operator Workstation	Tower, Intel Xeon W-2223 4C, 16GB DDR4, 512GB NVMe, NVIDIA Quadro NVS 450 512MB Graphics support dual HDMI monitor, Keyboard, Mouse	Win 10 IoT Ent LTSC 2021 downgrade to 2019	17	NOS				
15	Monitor	24-inch(60.46cm) FHD Monitor, IPS, 75 Hz, Bezel Less Design, AMD FreeSync, Flicker Free, HDMI, D-sub		40	NOS				
16	Unified Storage	Storage as per specifications		1	NOS				
17	GPS time server	GNSS Based Time Synchronization System		3	NOS				
18	Network Switch	24 + 4 Port 1GBPS L2 Switch		18	NOS				

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18	Network Switch	24 x1GBPS + 4x1/10 GBPS Port L2 Switch		2	NOS				
19	Router	Router as per specifications		2	NOS				
20	Firewall	IT/OT Firewall as per specifications		4	NOS				
21	Server Rack	46U Rack (600x1200) as per specifications		3	NOS				
22	Windows	Windows RDP CALC license (MCC 40 NOS & BCC-15 NOS)		55	NOS				
23	LAN Cabling	As per specifications		1	NOS				
24	Transit Charges from Bengaluru to Delhi for hardware movement			1	NOS				
	TOTAL PROJECT COST WITH GST (In Rs.)								

**NOTE:**

- 1) The prices quoted are inclusive of training of BRPL officials.
- 2) The bidder shall, at its own, handle all imported equipment's and handle all formalities for custom clearances, port charges, etc. if any.
- 3) All Tools & Tackles, Consumables and Commissioning Spares required to complete the work shall be included in the quoted rates
- 4) Any other item not mentioned above but are required for successful completion of the works shall be deemed to be included in the above quoted rate
- 5) The payment for these items would be based on actual measurement wherever required.
- 6) The above quantities are indicative and may vary based on actual requirement while execution of work. The payment would be made as per actual.
- 7) \* Rates should be inclusive of 5 years onsite warranty and support.

BIDDER'S PERSON NAME  
BIDDER'S MOBILE NUMBER :  
BIDDER'S EMAIL ID

**CORRIGENDUM III: NIT NO: CMC/BR/23-24/RB/PR/MS/1167**



**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,**

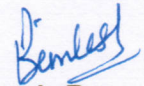
With reference to the subject cited above, I am directed to say that the Department of Telecom vide letter no. 6-6/2021-TC/TEC dated 17.10.2023 has requested to ensure that only MTCTE certified Telecom and Networking products are procured and connected in the Indian Telecom Network as mandated by Indian 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

*Pankaj*

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:

- (i) That any Telecom Equipment does not degrade performance of existing network to which it is connected;
- (ii) Safety of the end-users;
- (iii) Protection of users and general public by ensuring that radio frequency emissions from equipment do not exceed prescribed standards;
- (iv) That telecom equipment complies with the relevant national and international regulatory standards and requirements and
- (v) 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

  
(Neera 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

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*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

*27/12/2023*  
27/12/2023



**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*  
27/12/2023