

CORRIGENDUM – I
DT 03-07-2024

TENDER NOTIFICATION FOR

**TENDER FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF SERVERS AND STORAGES FOR END POINT
MANAGEMENT TOOL IN BRPL**

NIT NO: CMC/BR/24-25/RB/PR/MS/1194

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.bsesdelhi.com**

CORRIGENDUM I: NIT NO: CMC/BR/24-25/RB/PR/MS/1192 DT 03-07-2024

Query Type Technical / Commercial	Page No	Clause No	BRPL Clause	BRPL Replies/ Corrigendum - I
Pre Qualification Criteria	3	Technical Qualification Criteria	"The Bidder should possess the valid certificate -ISO 9001 -ISO 27000 -CMMi level 3	"The Bidder should possess the valid certificate -ISO 9001 -ISO 27000
Bill of Material	65	Detailed bill of material	Mentioned in NIT	Revised BOQ as mentioned below
Performance Certificate	46	Appendix VI	Mentioned in NIT	Revised Format as mentioned below
Manufacturer Authorization Form	50	Appendix X	Mentioned in NIT	Revised Format as mentioned below
Technical	65	1.1	Intel Xeon Gold 5418Y 2G, 24C/48T, 16GT/s, 45M Cache, Turbo, HT (185W)	As per BOQ 2 NO Intel Xeon Gold 5418Y 2G, 24C/48T, 16GT/s, 45M Cache, Turbo, HT (185W) required
Technical	66		Comprehensive AMC support (include parts, labour) for datacenter needs to be maintained by bidder for next 1 years after handover of new datacenter	Clause is removed
Price Format	24	Price Format	Mentioned in NIT	Revised Format as mentioned below
New Clause Addition				Addition of CEA Guidelines as mentioned below as bidder has to submit the certificate and follow the CEA guidelines issued by MTCTE.

CORRIGENDUM I: NIT NO: CMC/BR/24-25/RB/PR/MS/1192 DT 03-07-2024

Bid submission and Opening Date	7		Last date of receipt of bid documents : 28-06-2024, 10:00 HRS Date & time of opening of tender – Part A : 28-06-2024, 11:45 HRS	Last date of receipt of bid documents : 12-07-2024, 15:00 HRS Date & time of opening of tender – Part A : 12-07-2024, 15:30 HRS
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Note : For pre-bid replies, please refer another sheet enclosed on website.

CORRIGENDUM I: NIT NO: CMC/BR/24-25/RB/PR/MS/1192 DT 03-07-2024

S. No.	Component	Description	New Qty.	Total Qty.
1	Server	Intel Xeon Gold 5418Y 2G, 24C/48T, 16GT/s, 45M Cache, Turbo, HT (185W)	2	2
		64GB RDIMM, 4800MT/s Dual Rank	8	
		480GB SSD SATA RI 6Gbps 512 2.5in, 1 DWPD	2	
		Dual Port 10GbE BASE-T Adapter	2	
		Quad Port 1GbE BASE-T Adapter	1	
		Dual Port FC16 Fibre Channel HBA	2	
		5yrs 4hr 24x7 Onsite Support	1	
2	Storage	Dual Controller All Flash SAN	1	1
		2 x 6-core 1.7 GHz or higher	1	
		Per Node Cache 64GB or higher	1	
		16GBPS FC Ports	8	
		10G BASE-T (Copper)	4	
		1.92TB SSD/3.84 TB SSD(NVMe) OR Higher Total Usable Space 30TB or higher with Raid 6 , minimum 8 Drives to be supplied	1	
		IOPS :2 Lakhs or more with 8K block size with 60:40 Read ,Write ratio	1	
		Expandable till 250TB		
		De Dupp/Snapshot/cloning	1	
		5yrs 4hr 24x7 Onsite Support	1	
3	SAN SWITCH	Hardware install +Configuration	1	1
		32 Port SAN Switch	1	
		16*16 Gbps FC Ports,16*5m fiber cables and redundant power supply	1	
		5yrs 4hr 24x7 Onsite Support	1	
4	Existing SAN Switch port license	Brocade(G610) 16 PORT-ON-DEMAND, W/8 16G SWL SFP,16*5m fiber cables	1	1
5	OS	Microsoft Windows Server 2022 (Datacenter Edition) (16 Core Pack)	3	2 lots
6	Implementation	One Time	1	1
		Storage Hardware & software should have life & support for 7 Years from the date of installation & commissioning		

CORRIGENDUM I: NIT NO: CMC/BR/24-25/RB/PR/MS/1192 DT 03-07-2024

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 Servers And Storages For End Point Management.

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 Servers And Storages for End Point Management needs to be submitted with technical evaluation

CORRIGENDUM I: NIT NO: CMC/BR/24-25/RB/PR/MS/1192 DT 03-07-2024

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/1192 DT 03-07-2024

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 Servers and Storages for End Point Management 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/1192 DT 03-07-2024

**SECTION IV
PRICE FORMAT**

S. No.	Component	Description	Qty.	Total Qty.	MAKE	MODEL	Rates without GST	GST (In %)	Rates with GST (A)	Amount with GST = A X Total Qty
1	Server	Intel Xeon Gold 5418Y 2G, 24C/48T, 16GT/s, 45M Cache, Turbo, HT (185W)	2	2						
		64GB RDIMM, 4800MT/s Dual Rank	8							
		480GB SSD SATA RI 6Gbps 512 2.5in, 1 DWPD	2							
		Dual Port 10GbE BASE-T Adapter	2							
		Quad Port 1GbE BASE-T Adapter	1							
		Dual Port FC16 Fibre Channel HBA	2							
		5yrs 4hr 24x7 Onsite Support	1							
		Intel Xeon Gold 5418Y 2G, 24C/48T, 16GT/s, 45M Cache, Turbo, HT (185W)	2							
2	Storage	Dual Controller All Flash SAN	1	1						
		2 x 6-core 1.7 GHz or higher	1							
		Per Node Cache 64GB or higher	1							
		16GBPS FC Ports	8							
		10G BASE-T (Copper)	4							
		1.92TB SSD/3.84 TB SSD(NVMe) OR Higher Total Usable Space 30TB or higher with Raid 6 ,minimum 8 Drives to be supplied	1							
		IOPS :2 Lakhs or more with 8K block size with 60:40 Read ,Write ratio	1							
		Expandable till 250TB								
		De Dupp/Snapshot/cloning	1							
		5yrs 4hr 24x7 Onsite Support	1							
Hardware install +Configuration	1									

CORRIGENDUM I: NIT NO: CMC/BR/24-25/RB/PR/MS/1192 DT 03-07-2024

3	SAN Switch	32 Port SAN Switch	1	1					
		16*16 Gbps FC Ports, 16*5m fiber cables and redundant power supply	1						
		5yrs 4hr 24x7 Onsite Support	1						
4	Existing SAN Switch port license	Brocade(G610) 16 PORT-ON-DEMAND, W/8 16G SWL SFP, 16*5m fiber cables	1	1					
5	OS	Microsoft Windows Server 2022 (Datacenter Edition) (16 Core Pack)	3	2 lots					
6	Implementation	One Time	1	1					
Total Cost with GST (In Rs.)									
Supply, installation, testing and commissioning									

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.
- 8) Rates must include Installation, Configuration, Documentation and integration activity and compliance for TIER-III standards - Solution warranty support 5 Year.
- 9) Storage Hardware & software should have life & support for 7 Years from the date of installation & commissioning.

CORRIGENDUM I: NIT NO: CMC/BR/24-25/RB/PR/MS/1192 DT 03-07-2024

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: 10th 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
17th 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 5th 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 1st October 2018. (Copy of Gazette Notification dated 5th 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.

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

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).

Handwritten signature
27/12/2023