



# RailTel Corporation of India Limited

*A Government of India (Ministry of Railways) Undertaking*

Southern Region Head Quarters, 2<sup>nd</sup> Floor, B-Block, Rail Nilayam, Secunderabad - 500071

Regd. Office: Plate-A, 6th Floor, Office Tower-2, NBCC Building, East Kidwai Nagar, New Delhi-23.

visit [www.railtelindia.com](http://www.railtelindia.com), Tel: 040-27821134 Fax: 27820682,

## **Addendum - II**

OT: RailTel/e-Tender/OT/SR/DC/2023-24/01

Date: 28.07.2023

Sub: Operation and Maintenance of Data Center Infrastructures with Man Power Support at RailTel Corporation of India Ltd, Rail Nilayam, Secunderabad.

Ref : 1) RailTel/e-Tender/OT/SR/DC/2023-24/01, Dt.13.07.2023.

2) Addendum-I, RailTel/e-Tender/OT/SR/DC/2023-24/01, Date: 27.07.2023

\*\*\*\*

With reference to 2<sup>nd</sup> above, Addendum-II is issued herewith for Annexure-VIII duly attached which is not in place with Addendum-I.

**Please Note :** Detail of the Basic Infrastructure/assets at RailTel Corporation of India Ltd., Secunderabad to be submitted per month and per year value duly matching year wise prices going to quote at e-nivida Schedule of Requirement (SOR) in detailed vide Annexure-VIII (part of this Addendum-II and bid received without Annexure-VIII will be summarily rejected).

All other T&C are as per Tender document & Addendum-I issued on 27.07.2023

**DGM/DC&TP/SC  
For RailTel Corporation of India Ltd.,**

**ANNEXURE - VIII**

| S.N                                            | Equipment Description                                                                           | Make/ Model                                         | Capacity       | Quantity | Year of Installation | 1st year per month in Rs. | 2nd year per month in Rs. | 3rd year per month in Rs. |
|------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------|----------|----------------------|---------------------------|---------------------------|---------------------------|
| <b>A. HVAC System</b>                          |                                                                                                 |                                                     |                |          |                      |                           |                           |                           |
| 1                                              | Precision Air conditioners                                                                      | EMERSON NETWORK/PEX380EC digital with Icom, (R410A) | 22.5 TR        | 4        | 2013                 |                           |                           |                           |
| 2                                              | Precision Air conditioners                                                                      | EMERSON NETWORK / PDX,PX074D,Down Flow up, Digital. | 22.5 TR        | 7        | 2017                 |                           |                           |                           |
| 3                                              | Precision Air conditioners                                                                      | EMERSON NETWORK/PEX120 EC/DS, with Icom             | 5.5 TR         | 3        | 2013                 |                           |                           |                           |
| 4                                              | Ductable AC                                                                                     | Blue Star                                           | 11.0 TR        | 3        | 2013                 |                           |                           |                           |
| 5                                              | Ductable AC                                                                                     | Blue Star                                           | 5.5 TR         | 2        | 2013                 |                           |                           |                           |
| 6                                              | Ductable AC                                                                                     | Blue Star                                           | 3.0 TR         | 2        | 2013                 |                           |                           |                           |
| 7                                              | Split AC                                                                                        | Blue Star                                           | 1.5 TR         | 10       | 2013                 |                           |                           |                           |
| <b>B. UPS System</b>                           |                                                                                                 |                                                     |                |          |                      |                           |                           |                           |
| 1                                              | 400 KVA UPS System                                                                              | Emersion/80NET-XL                                   | 400 KVA        | 2        | 2013                 |                           |                           |                           |
| 2                                              | 400 KVA UPS System                                                                              | Emersion/80-eXL                                     | 400 KVA        | 2        | 2017                 |                           |                           |                           |
| 3                                              | 20 KVA UPS System                                                                               | Emersion/ Adapt ITA                                 | 20 KVA         | 2        | 2013                 |                           |                           |                           |
| <b>C. Precision Power Center</b>               |                                                                                                 |                                                     |                |          |                      |                           |                           |                           |
| 1                                              | 225 KVA PPC Distributuon System                                                                 | Emersion/ PPC PM4                                   | 225 KVA        | 2        | 2013                 |                           |                           |                           |
| 2                                              | 225 KVA PPC Distributuon System                                                                 | Emersion/ PPC PM4                                   | 225 KVA        | 4        | 2016                 |                           |                           |                           |
| <b>D. Diesel Generators &amp; Transformers</b> |                                                                                                 |                                                     |                |          |                      |                           |                           |                           |
| 1                                              | DG sets                                                                                         | Perkins                                             | 1250 KVA       | 2        | 2013                 |                           |                           |                           |
| 2                                              | DG sets                                                                                         | Cummins                                             | 1250 KVA       | 2        | 2017                 |                           |                           |                           |
| 3                                              | ACB-DG Breakers in synchronous panels                                                           | Snyder Electric/MVS_2000A_3P_CB_D_6G_E              | 2000A          | 4        | 2013                 |                           |                           |                           |
| 4                                              | ACB-DG Breakers in synchronous panels                                                           | Snyder Electric/MVS_4000A_3P_CB_D_6G_E              | 4000A          | 2        | 2013                 |                           |                           |                           |
| 5                                              | Fuel Pump                                                                                       | Crompton Greaves/BEA1F4J                            | 1 HP           | 2        | 2013                 |                           |                           |                           |
| 6                                              | Transformer                                                                                     | Kirloskar                                           | 2000 KVA       | 2        | 2013                 |                           |                           |                           |
| <b>E. Electrical &amp; Cabling components</b>  |                                                                                                 |                                                     |                |          |                      |                           |                           |                           |
| 1                                              | VCB Breaker ( 2 no. Main incomers, 2 no's sub incomers, 2 no's out going & 1 no. buscoupler)    | ABB/V max 12.08.20 VCB                              | 11KV, 630/800A | 7        | 2013                 |                           |                           |                           |
| 2                                              | ACB Breakers( 2no. Transformers panels, 2no. DG panels, 2 no's Out going Panels & 2 no. LT Main | ABB/SACE PR122/P-LSIG                               | 4000 A         | 8        | 2013                 |                           |                           |                           |
| 3                                              | TPN breakers(LT 1& 2 panels, Pac                                                                | ABB                                                 | 1000 A         | 4        | 2013                 |                           |                           |                           |
| 4                                              | TPN Breakers (UPS panels, Main                                                                  | ABB                                                 | 800 A          | 16       | 2013                 |                           |                           |                           |
| 5                                              | TPN breakers(PPC breakers)                                                                      | ABB                                                 | 400 A          | 6        | 2013                 |                           |                           |                           |
| 6                                              | TPN breakers(Misc Panel)                                                                        | ABB                                                 | 250 A          | 4        | 2013                 |                           |                           |                           |

| S.N              | Equipment Description                                       | Make/ Model                        | Capacity   | Quantity | Year of Installation | 1st year per month in Rs. | 2nd year per month in Rs. | 3rd year per month in Rs. |
|------------------|-------------------------------------------------------------|------------------------------------|------------|----------|----------------------|---------------------------|---------------------------|---------------------------|
| 7                | TPN breakers(UPS Panel spares)                              | ABB                                | 315 A      | 4        | 2013                 |                           |                           |                           |
| 8                | TPN breakers(UPS panel )                                    | ABB                                | 100 A      | 8        | 2013                 |                           |                           |                           |
| 9                | TPN breakers(PAC panel )                                    | ABB                                | 125 A      | 22       | 2013                 |                           |                           |                           |
| 10               | TPN breakers(AC panel )                                     | ABB                                | 63 A       | 18       | 2013                 |                           |                           |                           |
| 11               | TPN breakers(PAC Change over                                | ABB                                | MCOS 125 A | 11       | 2013                 |                           |                           |                           |
| 12               | TPN breakers(PAC Change over                                | ABB                                | MCOS 63 A  | 3        | 2013                 |                           |                           |                           |
| 13               | TPN breakers(AC panel )                                     | ABB                                | 160 A      | 6        | 2013                 |                           |                           |                           |
| 14               | VCB Room to Transformer cable/3CX185 Sq.mm.                 | NA                                 | 630/830 A  | 2        | 2013                 |                           |                           |                           |
| 15               | Transformer LT- Cos room/Busduct                            | C&S Electric/SBA15 ON3             | 4000 A     | 2        |                      |                           |                           |                           |
| 16               | Cos room to Synchronous Panels/13RX3.5CX400 Sq.mm           | NA                                 | 4000 A     | 2        |                      |                           |                           |                           |
| 17               | Synchronous Panels to DG Busduct                            | drej Smart Busd                    | 2000 A     | 4        |                      |                           |                           |                           |
| 18               | Power house to DC LT panel/13RX3.5CX400 Sq.mm Al. Ar.       | NA                                 | 4000 A     | 2        |                      |                           |                           |                           |
| 19               | LT panel to Misc panel/3.5cX185sqmm Al.Ar.                  | NA                                 | 250 A      | 2        |                      |                           |                           |                           |
| 20               | LT panel to Ac Panel/3.5X35sqmm                             | NA                                 | 63 A       | 2        |                      |                           |                           |                           |
| 21               | Lt panel to Ups /2RX1CX240 sqmm                             | NA                                 | 800 A      | 4        |                      |                           |                           |                           |
| 22               | UPS to Out going panel/8RX1CX185 sqmm                       | NA                                 | 800 A      | 4        |                      |                           |                           |                           |
| 23               | UPS out going to PPC/4RX1CX240 sqmm Cu.Fl.                  | NA                                 | 400 A      | 6        |                      |                           |                           |                           |
| 24               | Raw power, lighting, staging, elevator, telco room, network | Legrand                            | 63 A       | 11       |                      |                           |                           |                           |
| 25               | Lt Panel to APFC panel cable/2RX3.5CX400 Sq.mm.             | NA                                 | 800 A      | 2        |                      |                           |                           |                           |
| 27               | Lt panel to PAC panel cable/4RX3.5CX300 sq.mm Al.Ar.        | NA                                 | 1000 A     | 2        |                      |                           |                           |                           |
| 28               | PAC panel to 5.5 TR PAC cable/4CX6sqmm Cu.Ar.               | NA                                 | 63 A       | 6        |                      |                           |                           |                           |
| 29               | PAC panel to 22.5 TR PAC cable/4CX25 sqmm Cu.Ar.            | NA                                 | 125 A      | 22       |                      |                           |                           |                           |
| 30               | LT panel to 20 KVA UPS/4CX10sqmm                            | NA                                 | 63 A       | 2        |                      |                           |                           |                           |
| 31               | PPC to 5KW rack/1RX3CX6Sqmm Cu.Fl.                          | Schneider Electric                 | 32 A       | 80       |                      |                           |                           |                           |
| 32               | PPC to 7.5KW rack/3CX6Sqmm Cu. Fl                           | Schneider Electric                 | 63 A       | 10       |                      |                           |                           |                           |
| 33               | PPC to 10KW rack/5CX6Sqmm Cu. Fl                            | Schneider Electric                 | 32 A       | 10       |                      |                           |                           |                           |
| 34               | Earthing pits and strips                                    | NA                                 | NA         | 53       | 2013                 |                           |                           |                           |
| <b>F. Panels</b> |                                                             |                                    |            |          |                      |                           |                           |                           |
| 1                | VCB Panels along with metering and relays                   | Tri Square switchgear private ltd. | 630/800 A  | 7        |                      |                           |                           |                           |
| 2                | COS Panel along with necessary accessories                  | LS Power Control                   | 4000 A     | 6        |                      |                           |                           |                           |
| 3                | Synchronous panels along with necessary accessories         | Mahalasa Acoustic Private Ltd.     | 2000 A     | 4        |                      |                           |                           |                           |

| S.N                                                          | Equipment Description                                                  | Make/ Model                           | Capacity            | Quantity | Year of Installation | 1st year per month in Rs. | 2nd year per month in Rs. | 3rd year per month in Rs. |
|--------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------|---------------------|----------|----------------------|---------------------------|---------------------------|---------------------------|
| 4                                                            | Synchronous panels along with necessary accessories                    | Mahalasa Acoustic Private Ltd.        | 4000 A              | 2        | 2013                 |                           |                           |                           |
| 5                                                            | LT panel main incomers along with necessary accessories                | LS Power Control                      | 4000 A              | 2        |                      |                           |                           |                           |
| 6                                                            | Misc Panels                                                            | LS Power Control                      | NA                  | 2        |                      |                           |                           |                           |
| 7                                                            | AC panels                                                              | LS Power Control                      | NA                  | 2        |                      |                           |                           |                           |
| 8                                                            | Ups outgoing panels                                                    | LS Power Control                      | NA                  | 4        |                      |                           |                           |                           |
| 9                                                            | PAC panels                                                             | LS Power Control                      | NA                  | 2        |                      |                           |                           |                           |
| 10                                                           | APFC panels                                                            | LS Power Control                      | NA                  | 2        |                      |                           |                           |                           |
| 11                                                           | DC DB's                                                                | legrand                               | NA                  | 15       |                      |                           |                           |                           |
| 12                                                           | Power house DB's                                                       | legrand                               | NA                  | 1        |                      |                           |                           |                           |
| 13                                                           | HSD Pump panels                                                        | Sri Gananadha Industrial corporation. | NA                  | 2        |                      |                           |                           |                           |
| <b>G. Elevator</b>                                           |                                                                        |                                       |                     |          |                      |                           |                           |                           |
| 1                                                            | Elevator                                                               | Tysunkrupp/ 8457/13PA00 438           | 8 passenger / 544kg | 1        | 2013                 |                           |                           |                           |
| <b>H. Fire Detection, Prevention &amp; Supression System</b> |                                                                        |                                       |                     |          |                      |                           |                           |                           |
| 1                                                            | Fire Alarm System                                                      | Siemens                               | NA                  | 1        | 2013                 |                           |                           |                           |
| 2                                                            | Fire Suppression System (NOVEC/Ravel panels)                           | Ravel                                 | NA                  | 5        |                      |                           |                           |                           |
| 3                                                            | Vesda Panel System                                                     | Siemens                               | NA                  | 2        |                      |                           |                           |                           |
| <b>I. Data Center Surveillance &amp; Security</b>            |                                                                        |                                       |                     |          |                      |                           |                           |                           |
| 1                                                            | Surveillance Sytem                                                     | siemens                               | NA                  | 40       | 2013                 |                           |                           |                           |
| 2                                                            | Access Control Panel System                                            | siemens                               | NA                  | 7        |                      |                           |                           |                           |
| 3                                                            | Rodent Repellent Panel System                                          | Maser                                 | NA                  | 3        |                      |                           |                           |                           |
| 4                                                            | Water Leak Detection System                                            | Star Electronic concept               | NA                  | 1 Set    |                      |                           |                           |                           |
| 5                                                            | Water Leak Detection System                                            | Gain Control                          | NA                  | 1 Set    |                      |                           |                           |                           |
| <b>J. BMS Infrastructure</b>                                 |                                                                        |                                       |                     |          |                      |                           |                           |                           |
| 1                                                            | BMS System (Application along with hardware)                           | Desigo Insight / Siemens              | NA                  | 1        | 2013                 |                           |                           |                           |
| 2                                                            | Application Server                                                     | HP proliant DL180G6                   | NA                  | 2        |                      |                           |                           |                           |
| 3                                                            | Application Server                                                     | HP proliant DL380G5                   | NA                  | 1        |                      |                           |                           |                           |
| 4                                                            | Application Server                                                     | HP proliant ML330 G6                  | NA                  | 1        |                      |                           |                           |                           |
| 5                                                            | NAS STORAGE                                                            | NETGEAR RND-4C                        | NA                  | 1        |                      |                           |                           |                           |
|                                                              | <b>Total per month</b>                                                 |                                       |                     |          |                      |                           |                           |                           |
|                                                              | CAMC of Data Center Infra installed in RailTel Secunderabad (1st Year) |                                       |                     |          |                      |                           |                           |                           |
|                                                              | CAMC of Data Center Infra installed in RailTel Secunderabad (2nd Year) |                                       |                     |          |                      |                           |                           |                           |
|                                                              | CAMC of Data Center Infra installed in RailTel Secunderabad (3rd Year) |                                       |                     |          |                      |                           |                           |                           |
| <b>L. Man Power Support 24x7</b>                             |                                                                        |                                       |                     |          |                      |                           |                           |                           |
| 1                                                            | Shift Engineers as per tender document                                 |                                       |                     | 8        |                      |                           |                           |                           |

| S.N | Equipment Description                                        | Make/ Model | Capacity | Quantity | Year of Installation | 1st year per month in Rs. | 2nd year per month in Rs. | 3rd year per month in Rs. |
|-----|--------------------------------------------------------------|-------------|----------|----------|----------------------|---------------------------|---------------------------|---------------------------|
| 2   | Supervisor as per tender document                            |             |          | 1        |                      |                           |                           |                           |
|     | Manpower support 24X7 for O&M of Power House and Data Center |             |          |          |                      |                           |                           |                           |
|     | Manpower support 24X7 for O&M of Power House and Data Center |             |          |          |                      |                           |                           |                           |
|     | Manpower support 24X7 for O&M of Power House and Data Center |             |          |          |                      |                           |                           |                           |
|     | <b>Grand Total (as per e-nivida SOR SI No. 1 to 6)</b>       |             |          |          |                      |                           |                           |                           |

- Note :** 1) This is mandatory document to be submitted along with all documents given in tender document.  
2) Non submission of the Annexure-VIII, bids will be treated as invalid and summarily rejected.  
3) Ensure that, per year value arrived must be tallied with the SOR (Chapter-I) submitting at E-nivida.  
4) These rates will be put in use while any change in scope of the AMC work.  
5) Bidders are advised to visit DC/Secunderabad and upon proper survey may quote competitive prices.  
6) During the period of AMC, if RailTel decides to not get maintained any equipment due to any reason viz., decommissioning (or) replacement the bidder will not be paid for that equipment during the period when maintenance not done by the bidder. (Refer variation clause No.3.38)