



रेलटेल
RAILTEL

*A mini
ratna enterprise*

RAILTEL/TENDER/OT/CO/DNM/2017-18/Wi-Fi Gateways /391

Dated- 08.09.2017

**RailTel Corporation of India Ltd
(A Government of India Enterprise)**

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Opposite to Gold Souk Mall,
Gurgaon, Haryana- 122003
Work: 0124-4236083
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Website: www.railtelindia.com

Corrigendum -II

Sub: Request for proposals for "Supply and Supervision of Installation, Testing & Commissioning of Wi-Fi Gateways".

Ref: i) This office Limited Tender No. RAILTEL/TENDER/OT/CO/DNM/2017-18/Wi-Fi Gateways /391 Dated: 01.09.2017

ii) This office Tender No. RailTel/Tender/OT/CO/DNM/2017-18/Wi-Fi Gateways/391 Dated: 31.08.2017

In reference to the above referred Limited Tender, the following amendments are issued in the Tender document. The bids may be submitted in consideration of these amendments.

1. The Clause 11.2.5, under Chapter 6, and BID DATA SHEET (BDS) under Chapter 7 may be read as:-

"The tenderer should present at least one (1) project worth at least INR 1.25 Crores showcasing supply, design, installation, testing, commissioning, implementation of WI-FI Gateway /BNG/ BRAS/ CGNAT/ Router for Gateway solutions commercially in India in the last 3 years. Copy of work orders supported with relevant documentary evidences for the design parameters as mentioned in criteria 4 and the completion certificates by the client. Documentary evidence should clearly indicate the nature of systems implemented for each project"

2. The Clause 11.1.2, under Chapter 6, and BID DATA SHEET (BDS) under Chapter 7 may be read as:-

"The Tenderer/bidder should have supplied and provision of similar offered WI-FI Gateway /BNG/ BRAS/ CGNAT/Router solution with satisfactory working as to Government/PSUs/Telecom Service Providers/Public Listed Company during the last three years from the date of opening of tender."

3. The Clause 1, under Chapter 3, CGNAT may be read as:-

The proposed platform shall be an appliance based solution with capability to provide internet gateway security functions such as network firewall, network address translation gateway security functions such as URL filtering.

4. The Clause 14, under Chapter 3, CGNAT may be read as:

रेलटेल कॉर्पोरेशन ऑफ इण्डिया लिमिटेड (भारत सरकार का एक उपक्रम, रेल मंत्रालय)

कॉर्पोरेट कार्यालय : 143, संस्थानिक क्षेत्र, सेक्टर-44, गुडगांव-122003, एन सी आर (भारत)

पंजीकृत कार्यालय : 10वां तल, बैंक ऑफ इंडिया भवन, 16, संसद मार्ग, नई दिल्ली - 110001

RailTel Corporation of India Ltd. (A Government of India Undertaking, Ministry of Railways)

Regd. Office: 6th floor, 3rd Block,
Delhi Technology Park,
Shastri Park, Delhi-110053

Page 1 of 5

Platform shall support high availability using 1+1 Appliance Redundancy

or

In case of chassis based solution , Platform shall support redundancy at Supervisory Engine i.e. Controller card and Power supply .

5. The Clause 15, under Chapter 3, CGNAT may be read as:

In case bidder is proposing 1+1 appliance redundancy, the Failover shall support stateful session mirroring to ensure that in case of active unit failure the system can handle the active connections seamlessly without interruption.

6. The Clause 26, under Chapter 3, CGNAT may be read as:-

CGN should support extensive and flexible logging capabilities and should store information such as private-to-public IP address translation, port numbers, times of day, and other session details.

7. The Clause 27, under Chapter 3 may be treated as deleted.

8. The Clause 28 , under Chapter 3 under URL filtering function may be read as

“Solution Shall be able to provide Web Filtering and remaining sub points i,ii,iii,iv,v,vi,vii may be treated as deleted.

9. The Clause 30, under Chapter 3, CGNAT may be read as:-

The Gateway shall be NEBS Level III complied and shall have UL & FCC/CE.

10.The Clause i, under Chapter 3, Wireless access Gateway may be read as:-

Wifi Access GATEWAY deployed as part of this contract shall be as per TEC GR No TEC/GR/IT/TCP-005/01/MAR-14 titles Integrated Gateway Router with latest amendment if any. Following clauses of the said GR shall only be applicable - 2.1.1 (except 2.1.1.1), 3.1.2 (except 3.1.2.1), 3.3 (except 3.3.1), 3.4, 3.5, 3.6.1, 3.7, 3.8, 3.9 (except 3.9.4 & 3.9.6), 3.17 (except 3.17.2), 3.18 (except 3.18.8). The vendor shall provide a clause-by-clause compliance to the specifications. It shall comply with all the specifications as detailed in this document. In case of a mismatch between tender clause and TEC GR clause, tender clause will prevail and in case of deviation from the TEC GR specifications, the compliance to relevant ITU-T specification shall be submitted by tenderer.

11.The Clause v, under Chapter 3, Wireless access Gateway may be read as:-

The Gateway shall be NEBS Level III complied and shall have UL & FCC/CE.

12.The Clause vi, under Chapter 3, Wireless access Gateway may be read as:-

Shall have provision of 100G and 40GE interface.

13.The sub clause in Clause vii, under Chapter 3, Wireless access Gateway may be read as:-

Sizing as per requirement in SOR A and SOR B and upgradable to 128K IPOE subscriber for wifi or wireless connectivity.

14.The Clause xii, under Chapter 3, Wireless access Gateway may be read as:-

Periodic or Interim Accounting records generation shall be supported, configurable time intervals (minimum of ten minutes) shall be supported. Wi-fi GATEWAY shall provide RADIUS accounting based on volume and time.

Periodic or Interim Accounting records generation shall be supported, configurable time intervals (minimum of ten minutes) shall be supported. Wi-fi GATEWAY shall provide RADIUS accounting based on volume and time.

15.The Clause xxi (New Clause), under Chapter 3, Wireless access Gateway may be read as:-

The Gateway shall be support architecture and feature as per annexure-I .

16.The Clause xxii (New Clause), under Chapter 3, Wireless access Gateway may be read as:-

Platform shall support high availability using 1+1 Appliance Redundancy

or

In case of chassis based solution, Platform shall support redundancy at Supervisory Engine i.e. Controller card and Power supply .

17. The Clause 3 under Tender's Responsibility may be read as:-

The tenderer will be responsible for supply & Installation and Commissioning of complete work for this tender including the System design of network and integration with the existing network, wherever required. Tender has responsibility to integrate the solution with Railtel's Logging and AAA System as per Telecom regulatory guidelines. It shall be the responsibility of Supplier to transport the equipment to site for the Installation & Commissioning.

18.The quantity in Schedule of Requirement SOR B (AMC) should be read as 3 in line quantity requested as in SOR B. and Total Value of SOR A should be read as Total Value

19.The Clause 3 under Bid Data Sheet should be read as below and same will be applicable in offer letter

Delivery, Installation and Commissioning within 60 Days from issue of LOA

20.The Clause VI in Chapter2 of Schedule of requirement for L2 Manpower may be treated as deleted.

21.The Clause III in Chapter2 under Schedule of requirement may be read as

Tenderers should submit the detailed configuration of each type of equipment indicating quantities of various modules/sub modules/cards/Licenses/sub racks including the vacant slots in the sub racks/chassis for further expansion. Detail BOM of each equipment supplied under the contract shall be submitted along with the bid and the same shall be duly vetted by the OEM. The unit rates are inclusive of 3 Year Warranty Support contract from OEM.

22.The Clause 2.5 Warranty Support in Chapter 6 under Sub Clause 2.5.5 Replacement Services may be read as

During warranty and AMC period, if the Bidder fails to replace Appliance /Equipment card/Part as duration of replacement, the following penalties will be imposed.

Equipment	Duration of replacement	Deduction/Penalties
All Hardware, Modules and accessories	More than 2 days and up to 7 days	2% of the cost of affected part/module
All Hardware, Modules and accessories	More than 7 days and up to 14 days	10% of the cost of affected part/module
All Hardware, Modules and accessories	More than 14 days and up to 30 days	25% of the cost of affected part/module
All Hardware, Modules and accessories	More than 30 days	100% of the cost of affected part/module

Note:

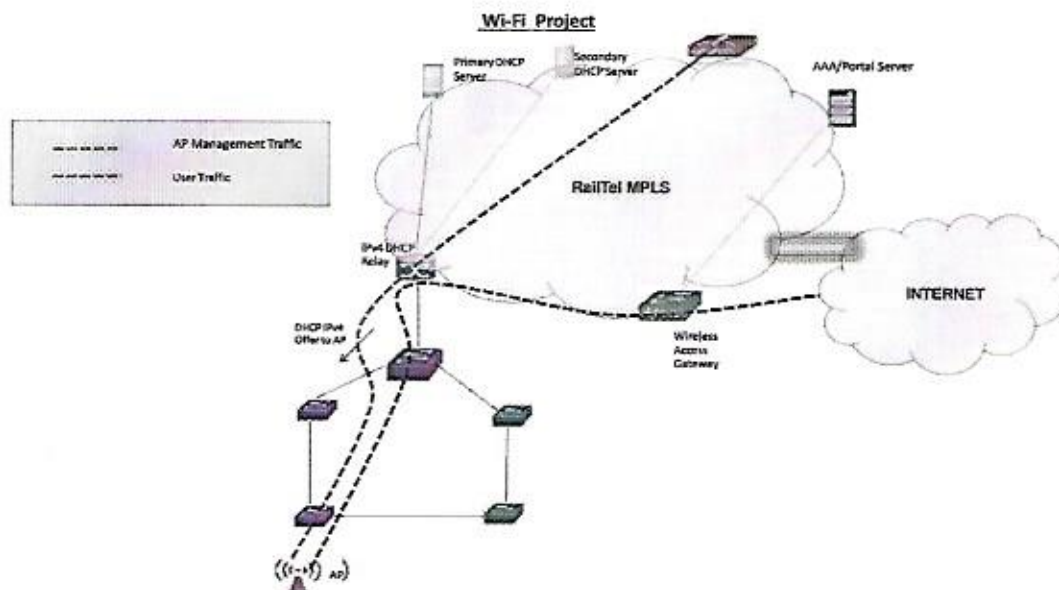
- a. In event of that bidder fails on both service SLA and replacement services the maximum aggregate penalties would be limited 10% of the contract Value.
- b. OEM should provide facility to RailTel for direct fault case open on TAC Support in case emergency.

The last date of submission of tender for "Supply and Supervision of Installation, Testing & Commissioning of Wi-Fi Gateways". issued vide this E-tender notice number RAILTEL/TENDER/OT/CO/DNM/2017-18/Wi-Fi Gateways/391 is extended from 14.09.2017 to 21.09.2017 upto 15:00 Hrs. Tender will be opened at 15:30 Hrs on 21.09.2017.


 08/09/17
 (A.K. Sablania)
 Group General Manager/DNM

Annexure-I

IPoE Subscriber using DHCP relay



For DHCP based IPoE sessions over a routed L3 network, the BNG can be set to act as a DHCP relay proxy or a DHCP local server. A DHCP relay agent forwards the DHCP request and reply packets between a DHCP client and a DHCP server. DHCP relay supports attachment of dynamic profiles and also interacts with the local AAA service framework to use back-end authentication servers.

The following steps describe, at a high level, how the subscriber will latch to the BNG

1. A DHCP DISCOVER message is initiated by the subscriber.
2. An intermediate device can either act as a relay agent and forward the DHCP request to the BNG acting as DHCP server or the BNG can act as the relay proxy and forward request to an external DHCP server
3. The BNG will create a new subscriber session using the DHCP control packet arriving on its access interface based on client mac address extracted from the DHCP relay. This is unauthenticated session.
4. Access request is sent from BNG to AAA with Client MAC address
5. If the Mac is unknown the request may be rejected and if known it will be accepted by AAA.
6. Upon successful identity verification, AAA responds with Access Accept which includes the user profile and HTTP redirect service to be activated
7. The HTTP redirect that redirects the subscriber to Web Portal where subscriber can enter their credentials
8. Credentials are passed to the BNG using CoA which then sends them to AAA in access request
9. AAA should send access accept to authenticate the session
10. Now authenticated subscriber can access the internet