



**Request for Proposal ('RFP') for
Empanelment of Managed Wi-Fi Service Providers
for Wi-Fi at Railway Stations**

**RailTel Corporation of India Limited
(A Government of India Enterprise)
Plot No 143, Sector 44,
Institutional Area, Opposite to Gold Souk,
Gurgaon, Haryana 122003**

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Section I
Invitation to Bidders

RailTel Corporation of India Limited
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Section I – Invitation to Bidders

1. This invitation to Bidder is for Request for Proposal ('RFP') for Empanelment of Managed Service Providers for Wi-Fi at Railway Stations having annual passenger earning between Rs 4 Crore to Rs8 Crore (for the year 2012) and other nearby locations to provide public wi-fi on a revenue sharing basis as a managed service.

1.1. The RFP document in relation to the above work includes Section I to Section V which have been detailed in **Clause 3 of Section II** of the document relating to Instruction to Bidders and any amendment / corrigendum issued after the release of the RFP, which shall be an integral part of the RFP.

2. Bidders are advised to study the RFP Document carefully. Submission of response to RFP shall be deemed to have been done after careful study and examination of the RFP Document with full understanding of its implications. Sealed offers prepared in accordance with the procedures enumerated in Section II of this RFP should be submitted to the Purchaser not later than the date and time laid down, at the address given in the RFP.
3. Bidders are advised to visit the site locations for better understanding of the RFP. In case the Bidders wish to visit the site, they must inform and coordinate with Purchaser at least 3 days before the visit.
4. An Earnest Money Deposit (EMD) of **Rs5,00,000/- (Rupees Five lac only) in the form of Demand Draft issued by a Nationalized / Scheduled Bank** valid for 180 days from the date of bid submission must accompany all bids.. The Demand Draft should be issued by Nationalized / Scheduled bank should be drawn in favour of "RailTel Corporation of India Limited" payable at New Delhi.
 - 4.1. **Bids not accompanied by Cost / Payment Receipt of RFP document and / or EMD shall be treated as non-responsive.**

5. Schedule for Invitation of RFP

a) Name of the Purchaser:

RailTel Corporation of India Limited

b) Addressee and Address for, submission of RFP responses and bid opening:

GM (Strategic Business)

RailTel Bhavan, Plot No 143,

Sector 44, Institutional Area,

Opposite to Gold Souk, Gurgaon,

Haryana- 122003

Phone no. 0124 2714072, Fax 0124 4236084,

Email: kmr@railtelindia.com

c) Details of the contact person for any clarification:

Pradeep Kumar

RailTel Bhavan, Plot No 143,

Sector 44, Institutional Area,

Opposite to Gold Souk, Gurgaon,

Haryana- 122003

Phone no. 0124 2714072, Fax 0124 4236084,

Email: pradeepk@railtelindia.com

d) Date till which the response to the RFP should be valid: 180 (One hundred and eighty) days from the date of opening of the Bids.

6. Important dates:

The following table provides information regarding the important dates of the bid process for this RFP:

ACTIVITY	DATE AND TIME
Date of Issue of RFP	29 th September, 2015 (15:00 Hrs)
Last date for submission of queries on the RFP for Pre-bid Conference:	6 th October, 2015 (15:00 Hrs)
Pre-Bid Conference	14 th October, 2015 (14:00 Hrs)
Last Date and time for Submission of Bids	29 th October, 2015 (15:00 Hrs)
Technical Bid opening	29 th October, 2015 (15:30 Hrs)

7. The RFP document can be downloaded from the RailTel website (<http://www.railtelindia.com>) or from <https://www.tcil-india-electronictender.com>. The bid shall be accompanied by a payment of **Rs. 10,000 (Rupees Ten thousand only)**, which is inclusive of VAT) in the form of a Demand Draft issued by Nationalized / Scheduled bank or Bankers cheque the cost of RFP document should be submitted as per procedures described in Section II – Instructions to Bidders. Please

note that the RFP response of a bidder would not be entertained in case they do not pay the cost of RFP document as per the details mentioned above.

8. The cost of RFP document is non-refundable and the RFP document is non-transferable.
9. Within 15 days of the receipt of notification of award/empanelment from the Purchaser, the successful Bidder shall furnish the performance bank guarantee issued by a Nationalized / Scheduled Bank of **Rs 10,00,000/- (Ten lacs only) valid for the complete contract period** in accordance with the Conditions of Contract, in the Performance Bank Guarantee prescribed at Form 8 of "Section IV: Bid Submission Formats and Proformas".

Note: Bidders must note that bids received after due date and time shall be rejected.



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SECTION II:
Instructions to Bidders

RailTel Corporation of India Limited
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Section II – Instructions to Bidders

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1 Procedure for Submission of Bids

1.1 Online Submission:

Submission of Bids only through online process is mandatory for this Tender. E-Tendering is a new methodology for conducting Public Procurement in a transparent and secured manner. Now, the Government of India has made e-tendering mandatory. Suppliers/ Vendors will be the biggest beneficiaries of this new system of procurement. For conducting electronic tendering, RailTel has decided to use the portal: <https://www.tcil-india-electronictender.com> through TCIL, a Government of India Undertaking. This portal is based on the most 'secure' and 'user friendly' software from Electronic Tender. A portal built using Electronic Tender's software is also referred to as Electronic Tender System (ETS). Benefits to Suppliers are outlined on the Home-page of the portal.

1.2 Tender Bidding Methodology:

Sealed Bid System - 'Single Stage - Double Envelope': In this, bidder has to submit Technical bid as well as commercial via "ONLINE MODE".

1.3 Broad outline of activities from Bidders Perspective:

- a. Procure a Digital Signing Certificate (DSC)
- b. Register on Electronic Tendering System (ETS)
- c. Create Users and assign roles on ETS
- d. View Notice Inviting Tender (NIT) on ETS
- e. Download Official Copy of Tender Documents from ETS (Important)
- f. Clarification to Tender Documents ETS
- g. Bid-Submission on ETS
- h. Attend Public Online Tender Opening Event (TOE) on ETS.
- i. View/Post-TOE Clarification posted by RailTel on ETS (Optional), Respond to RailTel's Post-TOE queries

For participating in this tender online, the following instructions need to be read carefully. These instructions are supplemented with more detailed guidelines on the relevant screens of the ETS.

1.4 Digital Certificates

For integrity of data and its authenticity/ non-repudiation of and be compliant electronic records, with IT Act 2000, it is necessary for each user to have a Digital Certificate also referred to as Digital Signature Certificate (DSC), of class 2 issued by a Certifying Authority (CA) licensed controller of Certifying Authorities (CCA).

1.5 Registration

To make use of the Electronic Tender portal ([https:// www.tcil-india-electronictender.com](https://www.tcil-india-electronictender.com)), vendor needs to register on the portal (if not registered earlier). Registration of each organization is to be done by one of its senior persons who will be the main person coordinating for the e-tendering activities. In ETS terminology, this person will be referred to as the Super User (SU) of that organization. For further details, please visit the website/portal (<https://www.tcil-india-electronictender.com>), and click on the 'Supplier Organization' link under 'Registration' (on the Home Page), and follow further instructions as given on the site.

Pay Annual Registration Fee as applicable.

Note: After successful submission of Registration details and Annual Registration Fee (as applicable), please contact TCIL/ ETS Helpdesk (as given below), to get your registration accepted/activated.

TCIL Helpdesk

Contact Person Telephone/ Mobile, E-mail ID

Helpdesk Executives: 011-2624 1071, 011-2624 1072, ets_support@tcil-india.com

(Mobile Nos. for Emergency Help): 9868393775, 9868393717, 9868393792

RailTel Contact (for general Information)

Pradeep Kumar

AGM

Phone no. 0124 2714072, Fax 0124 4236084

1.6 Bid related Information for this Tender (Sealed Bid)

The entire bid-submission would be online on ETS.

Broad outline of submissions are as follows:

- a. Submission of Bid Security/ Earnest Money Deposit (EMD)
- b. Submission of digitally signed copy of Tender Documents/Addenda
- c. Single Envelope (Including Technical and Financial Part): The electronic envelope consists of Main bid and Electronic Form (both mandatory) and Bid Annexures (Optional).
- d. Online response to General Terms & Conditions (GTC) and Special Terms & Conditions (STC)
- e. (Optional) Online Submission of modification, substitution bids for technical or financial parts, or **withdrawal bid.**

NOTE: Bidder must ensure that after following above, the status of bid submission must become “Complete” indicating successful submission of the online bid.

NOTE: The Bidder has to upload the Scanned copy of all above original documents as Bid-Annexures during Online Bid-Submission.

1.7 Offline Submissions:

The bidder is required to submit the following documents offline to RailTel Corporation of India Ltd, Institutional Area Plot 143, Sector 44, Gurgaon before due date & time of submission of bids specified in covering letter of this tender document, in a Sealed Envelope. The envelope shall bear (the tender name), the tender number and the words 'DO NOT OPEN BEFORE' (due date & time).

- a. EMD-Bid Security in Original, in favour of RailTel Corporation of India, Payable at New Delhi. (with Tender No., Name of Firm & Mob. No. written on back side of DD)
- b. DD/ Bankers cheque in original against payment of tender fee in favour of RailTel Corporation of India, Payable at New Delhi.. (with Tender No., Due date of Opening of Tender, Name and contact No. of Firm written on back side of DD)
- c. Power of attorney to be submitted in accordance with Tender Conditions.
- d. Manufacturer's Authorization Form

NOTE: The Bidder has to upload the Scanned copy of all above original documents as Bid-Annexures during Online Bid-Submission.

1.8 Submission of Eligibility Criteria related documents

Eligibility criteria related documents as applicable shall also be scanned and submitted ON LINE. Copy of these documents shall also be submitted in RailTel Office before Tender opening date. Bids without these off line submissions will be summarily rejected.

1.9 Special Note on Security of Bids

Security related functionality has been rigorously implemented in ETS in a multi-dimensional manner. Starting with 'Acceptance of Registration by the Service Provider', provision for security has been made at various stages in Electronic Tender's software. Security related aspects as regard Bid Submission are outlined below:

As part of the Electronic Encrypted functionality, the contents of both the 'Electronic Forms' and the 'Main-Bid' are securely encrypted using a Pass-Phrase created by the Bidder himself. Unlike a 'password', a Pass-Phrase can be a multi-word sentence with spaces between words e.g. (I love this World). A Pass-Phrase is easier to remember and more difficult to break. It is recommended that a

separate Pass-Phrase be created for each Bid-Part. This method of bid-encryption does not have the security and data-integrity related Vulnerabilities which are inherent in e-tendering systems which use Public-Key of the specified officer of a Buyer organization for bid-encryption. Bid-encryption in ETS is such that the Bids cannot be decrypted before the Public Online Tender Opening Event (TOE), even if there is connivance between the concerned tender-opening officers of the Buyer organization and the personnel of e-tendering service provider.

Typically, 'Pass-Phrase' of the Bid-Part to be opened during a particular Public Online Tender Opening Event (TOE) is furnished online by each bidder during the TOE itself, when demanded by the concerned Tender Opening Officers who will open the bid. Else Tender Opening Officer may authorize the bidder to open his bid himself. There is an additional protection with SSL Encryption during transit from the c,t-end computer of a Supplier organization to the e-tendering server/ portal.

(Mandatory Additional Methods of passphrase submission):

Additionally, the bidder shall make sure that the Pass-Phrase to decrypt the relevant Bid-Part is submitted to RailTel in a sealed envelope before the start date and time of the Tender Opening Event (TOE) along with other offline submissions.

1.10 Public Online Tender Opening Event (TOE)

ETS offers a unique facility for 'Public Online Tender Opening Event (TOE)'. Tender Opening Officers as well as authorized representatives of bidders can attend the Public Online Tender Opening Event (TOE) from the comfort of their offices. For this purpose, representatives of bidders (i.e. Supplier organizations) dully authorized are requested to carry a Laptop and Wireless Connectivity to Internet.

Every legal requirement for a transparent and secure 'Public Online Tender Opening Event (TOE)' has been implemented on ETS. As soon as a Bid is decrypted with the corresponding 'Pass-Phrase' as submitted online by the bidder himself (during the TOE itself), salient points of the Bids are simultaneously made available for downloading by all participating bidders. ETS has a unique facility of 'Online Comparison Chart' which is dynamically updated as each online bid is opened. The format of the chart is based on inputs provided by the Buyer for each Tender. The information in the Comparison Chart is based on the data submitted by the Bidders in Electronic forms. A detailed Technical and/ or Financial Comparison Chart enhance transparency. Detailed instructions are given on relevant screens.

ETS has a unique facility of a detailed report titled 'Minutes of Online Tender Opening Event (TOE)' covering all important activities of 'Online Tender Opening Event (TOE)'. This is available to all participating bidders for 'Viewing/ Downloading'.

There are many more facilities and features on ETS. For a particular tender, the screens viewed by a Supplier will depend upon the options selected by the concerned Buyer.

NOTE: In case of internet related problem at a bidder's end, especially during 'critical events' such as - a short period before bid-submission deadline, during online public tender opening event, during e-auction, it is the bidder's responsibility to have backup internet connections.

In case there is a problem at the e-procurement/ e-auction service-provider's end (in the server, leased line, etc) due to which all the bidders face a problem during critical events, and this is brought to the notice of RailTel by the bidders in time, then RailTel will promptly re-schedule the affected event(s).

1.11 Other Instructions

For further instructions, the vendor should visit the home-page of the portal (<https://www.tcil-india-electronictender.com>), and go to the User-Guidance Centre.

The help information provided through 'ETS User-Guidance Centre' is available in three categories - Users intending to Register / First-Time Users, Logged-in users of Buyer organizations, and Logged-in users of Supplier organizations. Various links are provided under each of the three categories.

Note: It is strongly recommended that all authorized users of Supplier organizations should thoroughly peruse the information provided under the relevant links, and take appropriate action. This will prevent hiccups, and minimize teething problems during the use of ETS.

1.12 Key Instructions

The following KEY INSTRUCTIONS for BIDDERS' must be assiduously adhered to:

1. Obtain individual Digital Signing Certificate (DSC or DC) well in advance of your first tender submission deadline on ETS.
2. Register your organization on ETS well in advance of your first tender submission deadline on ETS.
3. While registering your organization on ETS Portal of TCIL, pl. make sure that the email id of Super user provided for registration and email-id on which Digital Signature Certificate of the Super user is issued are exactly the same.
4. Get your organization's concerned executives trained on ETS well in advance of your first tender submission deadline on ETS.
5. Bidder should ensure that **official copy of tender document** has been downloaded by clicking the radio button for confirmation else e-Procurement system will not permit the bidder to participate in the tendering process.
6. Submit your bids well in advance of tender submission deadline on ETS as there could be last minute problems due to internet timeout, breakdown, etc.

1.13 Minimum Requirements at Bidders end

1. Computer System with good configuration (Min P-IV, 1 GB RAM, Windows XP)

2. Broadband connectivity
3. Microsoft Internet Explorer 6.0 or above
4. Digital Certificate (s) for users

1.14 Vendors Training Program

One day training (10:00 to 17:00) on how to use the ETS Portal for e-Tendering would be provided. Training is optional. However, if a vendor has not already attended ETS Vendor Training earlier, it is highly recommended that the vendor attends this training positively to be able to submit the e-Tender smoothly without any problem. Vendors are requested to carry a Laptop and Wireless Connectivity to Internet while attending the ETS Vendor Training

Tentative Dates

20th October, 2015

Venue

RailTel Corporation of India Limited,
Plot No. 143, Sector-44,
Opp. Gold Souk Mall,
Gurgaon -122003.

Vendors Training Charges :Rs. 2,800/-(Per Participant) per training day

Mode of Payment of Fees: DD drawn in favour of M/s TCIL, New Delhi & payable at New Delhi.

2 Cost of Bidding Process

- 2.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, including cost of site visits etc. for the purposes of clarification of the bid, if so desired by the Purchaser.

3 Contents of the RFP Document

- 3.1 The Scope of Work, tender procedures and Contract terms are prescribed in this RFP Document. The RFP Document includes:

SECTION	CONTENTS
Section I	Invitation to Bidders
Section II	Instruction to Bidders
Section III	Contract Conditions
Section IV	Bid Submission Formats & Proforma
Section V	Scope of Work

- 3.2 The Bidder should examine all instructions, forms, terms & conditions, and scope of work in the RFP Document and furnish all information as stipulated therein.

4 Clarification on RFP Document

- 4.1 A prospective Bidder requiring any clarification on the RFP Document may submit his queries, in writing, at the Purchaser's mailing address and as per schedule indicated in Clause 6 of **“Section I: Invitation to Bidders”**. The queries must be submitted in the following format:

BIDDER'S REQUEST FOR CLARIFICATION			
Name and Address of the Organization submitting request		Name and Position of Person submitting request	Contact Details of the Organization / Authorized Representative
			Tel:
			Fax:
			Email:
S. No	RFP Reference(s) (Section, Page)	Content of RFP requiring clarification	Points of clarification required
1			
2			

The Purchaser will respond, to any request for clarification to queries on the RFP Document, received not later than the date prescribed by the Purchaser in **“Section I: Invitation to Bidders”**, **Clause 6** of this RFP document. Purchaser's response (including the query but without identifying the source of query) shall also be communicated by e-mail to all prospective bidders without disclosure of the source of the query. Clarifications shall also be posted on the RailTel website(<http://www.railtelindia.com>) and/or <https://www.tcil-india-electronictender.com>).

5 Amendment of RFP Document

- 5.1 At any time prior to the last date for receipt of bids, the Purchaser, may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the RFP Document by an amendment. It shall not be mandatory for the Purchaser to disclose the reasons for this change.

- 5.2 The amendment will be notified through website of RailTel(<http://www.railtelindia.com>) and/or <https://www.tcil-india-electronictender.com>) and would be binding on all Bidders. The amendments would also be notified through e-mail to the Bidders who have purchased RFP document from the Purchaser's office as mentioned in "**Section I: Invitation to Bidders**".
- 5.3 In order to provide prospective Bidders reasonable time in which to consider the amendment in preparing their bids, the Purchaser may, at its discretion, extend the last date for the receipt of Bids.

6 Language of Bids

- 6.1 The Bids prepared by the Bidder and all correspondence and documents relating to the bids exchanged by the Bidder and the Purchaser, shall be written in **English language**, provided that any printed literature furnished by the Bidder may be written in another language so long the same is accompanied by an English translation in which case, for purposes of interpretation of the bid, the **English translation** shall prevail.

7 Documents Comprising the Bids

The bid prepared by the Bidder shall comprise of the following components:

- 7.1 **Technical Bid** - The Technical Bid shall comprise of the following:
- 7.1.1 Cost of RFP document
 - 7.1.2 Earnest Money Deposit as per **Form 6 in Section IV**
 - 7.1.3 Notarized Power of Attorney executed by the Bidder in favour of the duly Authorized Representative, certifying him as an authorized signatory as per **Form 7 in Section IV**
 - 7.1.4 Technical Bid Submission letter as per **Form 5 in Section IV**
 - 7.1.5 Bidder Profile as per **Form 1 in Section IV**
 - 7.1.6 Details of OEM in as per **Form 13 in Section IV**
 - 7.1.7 Manufacturer's Authorization Form as per **Form 6 in Section IV**
 - 7.1.8 Response to Eligibility Criteria as per **Form 2 in Section IV**
 - 7.1.9 Bidder's experience as per **Form 3 in Section IV**
 - 7.1.10 Compliance to Technical Specifications as per **Form 2.2 and 2.3 in Section IV**
 - 7.1.11 OEMs confirmation on number of bids as per **Form 6 in Section IV**
 - 7.1.12 Documentary evidences of bidders and OEMs experience in form of copy of Purchase Orders
- 7.2 **Financial Bid**

8 Authorized Signatory

- 8.1 For the purpose of submission of the bid, the Bidder may be represented by either the **Principal Officer** (MD / CEO / Company Secretary) or his duly **Authorized Representative**, in which case he/she shall submit a certificate of authority (Power of Attorney or Board Resolution). All certificates and documents (including any clarifications sought and any subsequent correspondences) received hereby, shall, as far as possible, be furnished and signed by the authorized representative or the Principal Officer.
- 8.2 It is further clarified that the individual signing the RFP or other documents in connection with the RFP must certify whether he/she signs as:
- 8.2.1 Constituted attorney of the firm, if it is a company
- 8.3 Bidders must submit documentary evidence for power-of-attorney along with the technical bid. Bids not accompanied by the power of attorney shall be treated as non-responsive.

9 Earnest Money Deposit (EMD)

- 9.1 The Bidder shall furnish, as part of its bid, EMD of the amount mentioned in **Clause 4 of “Section I: Invitation to Bidders”**.
- 9.2 The EMD is required to protect the Purchaser against the risk of Bidder's conduct which would warrant the EMD's forfeiture. pursuant to **Clause 9.6** of this section.
- 9.3 The EMD shall be denominated in Indian Rupees, and shall be in the form of a bank guarantee issued by a **Nationalized / Scheduled Bank** and valid for period as stated in **“Section I: Invitation to Bidders”**.
- 9.4 Unsuccessful Bidder's EMD will be discharged / returned after signing of the contract with the successful Bidder. **No interest will be paid by the Purchaser on the EMD amount.**
- 9.5 The successful Bidder's EMD shall be discharged upon the Bidder executing the Contract, pursuant to **Clause 25.3** and after furnishing the performance bank guarantee, pursuant to **Clause 26**.
- 9.6 The EMD may be forfeited:
- a. if a Bidder withdraws its bid during the period of bid validity specified in the RFP; or
 - b. If the Bidder is found to have submitted false particulars / fake documents; or
 - c. If the Bidder is found to have indulged in corrupt practices or manipulation of rates by cartelization; or
 - d. in the case of a successful Bidder, if the Bidder fails;
 - i. to sign the Contract in accordance with **Clause 22.3**; or
 - ii. To furnish performance bank guarantee in accordance with **Clause 23**.

- 9.7 Purchaser requires bidders to observe the highest standard of ethics during the procurement and execution of such contracts.
- 9.7.1 Purchaser will reject a proposal for the award of Contract if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract.
- 9.7.2 The Purchaser will declare a firm ineligible, either indefinitely or for a stated period of time, for awarding a contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, this contract.
- 9.8 Grafts and commissions etc
- 9.8.1 Any graft, commission, gift or advantage given, promised or offered by or on behalf of the contractor or his partner, agent, officers, director, employee or servant or any one on his or their behalf in relation to the obtaining or to the execution of this or any other contract with the owner, shall be, in addition to any criminal liability which it may incur, subject of any loss or damage to the owner resulting from any cancellation. The owner shall then be entitled to deduct the amount so payable from any moneys otherwise due to the contractor under the contract.

10 Period of Validity of Bids

- 10.1 Bids shall remain valid for period as stated in **Clause 5(d) of “Section I: Invitation to Bidders”**. **A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive and shall not be taken up for evaluation purposes.**
- 10.2 The Purchaser may request the Bidder(s) for an extension of the period of validity of the bids. The request and the responses thereto shall be made in writing (or by fax or by e-mail). The validity of EMD shall also be duly extended in accordance to **Clause 9.3 above**. **A bidder granting the request will not be permitted to modify its bid.**

11 Format and Signing of Bid

- 11.1 The Bidder shall prepare and submit the bid as specified in Clause 1 - Procedure for Submission of Bids of this section.
- 11.2 Following should be taken care of regarding the RFP document
- 11.2.1 The quality of document must be good readable flow.
- 11.3 The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be initialled by the person or persons signing the bid.

- 11.4 Prices in any form or by any reason should not be revealed, failing which the offer shall be liable to be rejected.

12 Local Conditions

- 12.1 It will be incumbent upon each Bidder to fully acquaint himself with the local conditions and factors at the respective locations, sites and offices which would have any effect on the performance of the contract and / or the cost.
- 12.2 The Bidder is expected to obtain for himself on his own responsibility all information that may be necessary for preparing the bid and entering into contract. Obtaining such information shall be at Bidder's own cost. Purchaser shall, however, provide him necessary permissions if the details of the visit schedule are made available in advance.
- 12.3 Failure to obtain the information necessary for preparing the bid and/or failure to perform activities that may be necessary for project will in no way relieve the successful Bidder from performing any work in accordance with the contract entered into.
- 12.4 It will be imperative for each Bidder to fully inform themselves of all local and legal conditions and factors which may have any effect on the execution of the contract as described in the RFP documents.
- 12.5 It is the responsibility of the Bidder that such factors have properly been investigated and considered while submitting the bid proposals and that no claim whatsoever including those for financial adjustment to the contract awarded under the bidding documents will be entertained by the Purchaser and that neither any change in the time schedule of the contract nor any financial adjustments arising thereof shall be permitted by the Purchaser on account of failure of the Bidder to appraise themselves of local laws and conditions.

13 Sealing and Marking of Bids

- 13.1 The Bidders shall seal and mark the Bid in accordance with **Clause 1 of this section**.

14 Address for Correspondence

- 14.1 The Bidder shall designate the official mailing/e-mail address, place and fax number to which all correspondence shall be sent by the Purchaser.

15 Contacting the Purchaser

- 15.1 No Bidder shall contact the Purchaser on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded.
- 15.2 Any effort by a Bidder to influence the Purchaser's bid evaluation, bid comparison or contract award decisions shall result in the rejection of the Bidder's bid.

16 Consortium Related Conditions

16.1 Consortium is not allowed.

17 Eligibility Criteria

17.1 Eligibility Requirements for the Bidder

S No.	Description	Proof Required
1	The bidder should be a Company registered in India under the Companies Act 1956 or later or a partnership registered under the Indian Partnership Act 1932 or LLP act 2008 with their registered office in India as on 31st March 2015.	Copy of valid Certificate of incorporation Registration attested by Company Secretary/ Authorized Signatory
2	As on date of submission of the proposal, the Bidder shall not be under any declaration of ineligibility for unsatisfactory past performance, corrupt or fraudulent practices, any other unethical business practices or blacklisted either by Central / State Government, PSU, Local or Urban body - Municipalities, Ministry/ Department of Government of India/ State Governments.	Certificate from the Company Secretary to the effect that the Bidder is not blacklisted by any of the Central / State Government, PSU, Local or Urban body - Municipalities, Ministry/ Department of Government of India/ State Governments.
3	Power of Attorney in the name of authorized signatory authorizing him for signing the bid documents or related clarifications on bid documents	Power of Attorney in the name of authorized signatory
4	The bidder should be an IT or Wi-Fi Solution Provider with experience of executing 2 or more projects involving Wi-Fi as a component in last 3 years. At least one of these should be a public wifi project.	Work Order / LOI / Client letter for satisfactory completion.
5	Bidder should not be licensed telecom service provider in India for mobility solutions or	A self-declaration signed by the

S No.	Description	Proof Required
	UASLor ISP license holder	Authorized Signatory must be submitted
6	The bidder should have minimum cumulative turnover of Rs10 Crores during last three financial years (2012-13, 2013-14 and 2014-15) and must submit audited balance sheet of the company for last three financial years.	Certificate from Statutory Auditor Copy of Audited Annual reports
7	Bidder should have a prior experience of implementing similar solution (WiFi / Internet) with at least three Government (Central/State/local), PSUs, Educational Institutions or reputed company/organization where each installation is having more than 10 access points	Duly signed & stamped copies of supporting purchase orders along with work completion certificate from the client.
8	The bidder should have a registration number of - 1. VAT where his business is located 2. CST where his business is located 3. Service Tax	Duly signed & stamped copies of relevant certificates of registration

18 Technical Evaluation.

Bidders shall submit a technical proposal containing:

- 1) Overall technical Solution
- 2) Compliance to minimum technical requirements
- 3) Response to Technical Evaluation Criteria
- 4) Approach and methodology to carry out the services
- 5) Detailed process of service delivery
- 6) Business model
- 7) Other formats as mentioned in the RFP document

Technical Evaluation Criteria

S No.	Description	Proof Required	Marks
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S No.	Description	Proof Required	Marks
1	Total cumulative turnover of the lead bidder in last 3 financial years –2012-13, 2013-14, and 2014-15	Audited financial statements (Balance Sheet, P&L Statement, Notes to account) for the last three financial years. Certificate from Statutory Auditor	INR 10Cr - 5 Marks >10 to 25Cr – 10 Marks >25Cr – 15 Marks
2	Company's profitability (Lead Bidder)	Certificate from Statutory Auditor	Profitable in each of last 3 years – 5 Marks Profitable in 2 of last 3 years – 3 Marks Profitable in 1 of last 3 years – 1 Marks
3	Experience of implementing Wi-Fi/ internet solution or providing WiFi / Internet services in last 5 years.	Work Order / LOI / Client letter	5 Projects – 5 Marks >5-15 Projects – 10 Marks >15 Projects – 15 Marks
4	Experience in providing Public Wi-Fi projects	Work Order / LOI / Client letter	>=3 Projects – 10 Marks < 3 & >=1 Projects – 5 Marks 0 Project – 0 Marks
5	Experience of WiFi Monetization – No of methods of monetization would be scored	Work Order / LOI / Client letter along with detailed write up on business model	1 Method – 5 Marks 2 Methods – 10 Marks >2 Methods – 15 Marks
6	Approach and Methodology	Detailed Write Up	10 Marks
7	Proposed Business Model	Detailed Write Up	10 Marks

S No.	Description	Proof Required	Marks
8	Technical Solution	Detailed write up and compliance to the requirements	10 marks
9	Profile of Business Modelling expert	Detailed CV	10 Marks Qualification: MBA – 3 Marks Experience: 10+ Years – 4 Marks Project Experience: Projects involving business model creation for Wi-Fi monetization: <2 – 0 Marks 2-3 – 2 Marks >3 – 3 Marks

19 Evaluation of Bids

19.1 Evaluation Methodology

19.2 The Purchaser will examine the bids in 2 phases.

Phase 1 – Evaluation against Eligibility Criteria

All bids will go through an evaluation against the Eligibility Criteria as mentioned in clause 20 of this section. Only those bidders who meet the Eligibility Criteria would be considered for Phase 2 of the evaluation process.

Phase 2 – Technical Evaluation

Bids, which meet the eligibility criteria (Phase 1 of evaluation), shall be considered for technical evaluation. The technical evaluation of all such bids will be done against the evaluation criteria mentioned in clause 22 of this section. All bidders scoring 70% marks or above shall be considered for financial evaluation (phase 3 of evaluation). Technical score of the bidder will be determined using the following formula:

Technical Score of the Bidder = (Marks obtained in technical evaluation X 70) / 100

Phase 3 – Financial Evaluation

- a) The financial bids of the bidders qualifying Phase 1 and Phase 2 of evaluation shall be opened in the presence of the representatives of the qualified bidders. The bidder quoting the highest revenue share (minimum limit 40% and upper cap 60%) in their financial proposal as per the forms provided with the Financial Bid Submission Letter will be evaluated as Highest Evaluated Bid and will be awarded 30 marks. Financial score of all the other bidders will be calculated on the basis of the following formula:

Financial Score of the Bidder = (Financial Quote of the Bidder / Financial Quote of the highest Bidder) X 30

- b) Total score of the each bids will be computed by adding the Technical score and Financial Score using the following formula:

Total Score of Bidder = (Technical Score + Financial Score)

- c) Bidders will be ranked based on the highest Total Score.
d) Technical Score of the Bidder, Financial Score of the Bidder and Total Score of Bidder will be considered upto 2 decimal places.
e) Resolution of tie will be on technical parameters.

20 Post Qualification and Award Criteria

20.1 Eligible Bidders will be empanelled for providing end-to-end Wi-Fi services. The allocation of stations would be done through a separate process which will be decided based on the outcome of this empanelment process. The tentative process for allocation is follows:

- i) The empanelled bidders would be ranked as per the score in the technical evaluation.
- ii) Since scale of deployment may be critical for the viability of the business RailTel may select one or two bidders if there are bidders interested and willing to take up all four or two regions of RailTel. For this purpose RailTel's Southern and Western Region will be Zone I and RailTel's Northern and Eastern Regions Will be Zone II.
- iii) Bidders can also bid for one region, then the four regions would be allocated based on choice of the bidders with the highest ranked bidder getting the first choice.
- iv) In the case the bidders not willing to take up a whole region but would like to work with smaller number of stations then the stations will be grouped into telecom circles and the same will be allocated based on the choice of the bidders with the highest ranked bidder getting the first choice and then on.
- v) RailTel may revise the allocation process based on inputs at the pre-bid conference to achieve the objectives of the RFP.

20.2 Bidders will have to submit project plan with timelines accepted by RailTel. In case the bidder is not able to meet the milestones, then RailTel will have the right to reallocate the awarded stations to other empanelled bidders to meet the goals of RFP.

21 Purchaser's Right to Accept Any Bid and to Reject Any or All Bids

21.1 The Purchaser reserves the right to accept any bid, and to annul the Tender process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Purchaser's action.

22 Notification of Empanelment

22.1 Prior to the expiration of the period of bid validity, pursuant to **Clause 10 of this section**, the Purchaser will notify the successful Bidders in writing by registered letter/e-mail or by fax that its bid has been accepted. The Bidder shall provide his acceptance within a week of such notification.

22.2 The notification of empanelment will constitute the formation of the Contract. Upon the successful Bidders' furnishing of performance bank guarantee pursuant to **Clause 23 of this section**, the Purchaser may notify each unsuccessful Bidder and will discharge their EMD, pursuant to **Clause 9.4 of this section**.

22.3 Signing of Contract

22.3.1 The successful bidders shall sign the contract within **30days from date of notification of award**.

23 Performance Bank Guarantee

23.1 Within 15 days of the receipt of notification of empanelment from the Purchaser, the successful **Bidder shall furnish** the performance bank guarantee of **Rs10,00,000/- (Ten Lacs Only)** valid in accordance with the Conditions of Contract, in the Performance Bank Guarantee prescribed at **Form 8 of "Section IV: Bid Submission Formats and Proforma's"**.

Failure of the successful Bidder to comply with the requirement of **Clause 22.3 or Clause 23.1 of this section** shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD.

24 Rejection Criteria

24.1 Besides other conditions and terms highlighted **in the RFP document, bids may be rejected** under following circumstances:

24.2 General Rejection Criteria

24.2.1 Bids submitted without or improper EMD / cost of RFP document

24.2.2 Bids received through Telex / Telegraphic / Fax / e-Mail.

24.2.3 If the information provided by the Bidder is found to be incorrect / misleading at any stage / time during the Tendering Process

24.2.4 Any effort on the part of a Bidder to influence the Purchaser's bid evaluation, bid comparison or contract award decisions

24.2.5 Bids received by the Purchaser after the last date and time for receipt of bids prescribed by the Purchaser, pursuant to **Clause 6 -Last Date and time for Submission of Bids of "Section I: Invitation to Bidders"**,

24.2.6 Bids without signature of duly authorized person(s) on all pages of bid documents

24.2.7 Bids without seal of company on whose behalf the signatures have been appended on all pages of the bid document.

24.2.8 Bids without power of authorization and any other document consisting of adequate proof of the ability of the signatory to bind the Bidder

24.3 Technical Rejection Criteria

24.3.1 Technical Bid containing financial details.

24.3.2 Revelation of Prices in any form or by any reason

24.3.3 Failure to furnish all information required by the RFP Document or submission of a bid not substantially responsive to the RFP Document in every respect

25 Court of Jurisdiction

All disputes pertaining both prior and subsequent to the Bidding process shall be subject to the jurisdiction of courts at Delhi only.



Request for Proposal ('RFP') for
Empanelment of Managed Wi-Fi Service Providers
for Wi-Fi at Railway Stations

Section III
Contract Conditions

RailTel Corporation of India Limited
(A Government of India Enterprise)
Plot No 143, Sector 44,
Institutional Area, Opposite to Gold Souk,
Gurgaon, Haryana 122003

Section III –Contract Conditions

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1 Definitions

- a. "Bidder" shall mean organization submitting the proposal in response to this RFP
- b. "Effective Date" means the date on which this Contract is signed and executed by the parties hereto. If this Contract is executed in parts, then the date on which the last of such Contracts is executed shall be construed to be the Effective Date.
- c. "GCC" means General Conditions of Contract
- d. "Goods" means all of the equipment, sub-systems, hardware, software, products accessories and/or other material / items which the Bidder is required to supply, install and maintain under the contract.
- e. "Intellectual Property Rights" means any patent, copyright, trademark, trade name, service marks, brands, proprietary information whether arising before or after the execution of this Contract and the right to ownership and registration of these rights.
- f. "Notice" means:
 - a. notice; or
 - b consent, approval or other communication required to be in writing under this Contract.
- g. "OEM" means the Original Equipment Manufacturer of any equipment / system / software / product which is providing such goods to the Purchaser under the scope of this Tender / Contract.
- h. "Bidder's Team" means the Bidder who is submitting a proposal against this RFP.
- i. "Purchaser" shall mean RailTel, and its successors and assignees.
- j. "Replacement Service Provider" means the organization replacing the bidder in case of contract termination for any reasons
- k. "Sub-Contractor" shall mean the entity named in the contract for any part of the work or any person to whom any part of the contract has been sublet with the consent in writing of the Purchaser and the heirs, legal representatives, successors and assignees of such person.
- l. "SCC" means Special Conditions of Contract
- m. "Services" means the work to be performed by the Bidder pursuant to this RFP and to the contract to be signed by the parties in pursuance of any specific assignment awarded by the Purchaser.

2 Empanelment Process

- 2.1 Any bidders meeting the eligibility criteria can bid for empanelment
- 2.2 Each firm may submit only one bid.
- 2.3 Each bid shall be evaluated against the eligibility criteria
- 2.4 Each bid meeting the eligibility criteria will be evaluated against technical evaluation criteria

- 2.5 The empanelment shall be for period of 24 (Twenty Four) months in the first instance. It may be extended for a further period of twelve months,
- 2.6 The MWSP shall operate and provide services at the allotted railway station for a period of 5 years.

3 Other terms

- 3.1 All empanelled Bidders shall have to enter into a written agreement with RailTel for honoring all tender conditions and adherence to all aspects of fair trade practices in executing the purchase orders placed by Railtel on behalf of its clients.
- 3.2 In the event of an empanelled Company or the concerned division of the Company is taken over /bought over by another company, all the obligations and execution responsibilities under the agreement with the RAILTEL, should be passed on for compliance by the new company in the negotiation for their transfer
- 3.3 In case any selected bidder refuses to sign empanelment within seven days of communication from RAILTEL, the offer would be treated as withdrawn and the bidder's EMD will be forfeited The defaulting bidder may also be debarred from participating in RailTel tenders for a period of three years.
- 3.4 In case of empanelled bidder is found in breach of any condition(s) of tender or supply order, at any stage during the course of supply / installation or warranty period, the legal action as per rules/laws, shall be initiated against the bidder and EMD/ PBG shall be forfeited, besides debarring and blacklisting the bidder concerned for at least three years, for further dealings with RailTel
- 3.5 The bidder should not assign or sublet the empanelment or any part or it to any other vendor in any form. Failure to do so shall result in termination of empanelment and forfeiture of PBG, RailTel may, at any time, terminate the empanelment by giving written notice to the empanelled vendor without any compensation, if the empanelled vendor becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to RailTel.

4 Payment terms

- 4.1 The Managed Wi-Fi Service Provider (MWSP) shall deposit an advance amount equal to one months estimated paid wi-fi business decided jointly by MWSP and RailTel before commencement of services
- 4.2 Railtel through its centralized billing system will keep track of revenue generated by the MWSP
- 4.3 Whatever revenue is generated by the MWSP, quoted percentage of that will get debited from the deposit amount given by the MWSP

- 4.4 Once the deposit value reaches 10% of the amount deposited, MWSP will have to reload money in order to continue providing services.

5 Service Level Agreement

- 5.1 The bidders are expected to meet the broad Service Level requirements envisaged for this project. Non compliance to the SLAs shall result in penalties/deductions as given below:

Service Level	Acceptable Limit	Penalties/deductions on non-compliance	Remarks
Delay in making the wifi hotspot live	Within the time frame as provided by RailTel in the contract to be signed with the empanelled bidder	INR 10,000 per week of delay per station	
Uptime (Hot Spot Availability)	Average uptime in a month 95% or above (during the peak working hours of the station. Peak working hour of each station would be defined separately depending on the footfall at the station)	Average uptime $\geq 92\%$ & $\leq 94\%$	
		<ul style="list-style-type: none"> 0.5% of MSR 	
		<ul style="list-style-type: none"> Average uptime $\geq 88\%$ & $\leq 91\%$ 1% of MSR 	
Throughput and Coverage	Minimum average throughput in a month should be 95% of the values prescribed by RailTel for respective wifi hot spot / access point in the contract to be signed with the empanelled bidder	Average uptime $< 88\%$	The average throughput shall be captured by the bidder in their system and report for the same shall be shared with RailTel. RailTel may also measure the throughput on random basis in the concerned month. The random
		<ul style="list-style-type: none"> 1.5% of MSR 	
Throughput and Coverage	Minimum average throughput in a month should be 95% of the values prescribed by RailTel for respective wifi hot spot / access point in the contract to be signed with the empanelled bidder	In case the average throughput falls below the prescribed level a penalty of 1% of MSR shall be levied for each wifi hot spot /access point	

Service Level	Acceptable Limit	Penalties/deductions on non-compliance	Remarks
			inspection shall supercede the report of the bidder.

Note:

- MSR (Monthly Shared of Revenue) is the bidder's share of the monthly revenue generated for each kiosk / wifi hot spot (i.e. (i.e. quoted percentage of the total monthly revenue)
- These service levels will be further refined / finalized at the time of contract signing.

6 Sub – Contract

- 6.1 The Bidder shall not, without the consent in writing of the Purchaser appoint any delegate/ subcontractor for the performance of Services under this contract.

7 Constitution of Consortium

- 7.1 As per clause 16 of Section II

8 Bidder's Obligations

- 8.1 The OEM should support the proposed products till the end of life of the proposed product. OEM should ensure that the proposed products will be supported for a minimum of 5 years from the date of empanelment.
- 8.2 The bidders should ensure 1year of comprehensive warranty and 4years of post-warranty annual maintenance support for all the proposed products.
- 8.3 The Purchaser reserves the right to review the terms of the Warranty and Annual Maintenance agreements entered into between the Bidder and OEMs and no such agreement/contract shall be executed, amended, modified and/or terminated without the prior written consent of the Purchaser. An executed copy of each of such agreements/contracts shall, immediately upon execution be submitted by the Bidder to the Purchaser.

- 8.4 The Bidder shall ensure that none of the components and sub-components is declared end-of-sale or end-of-support by the respective OEM for atleast 5 years from the date of bid submission. If, the OEM declares any of the products/ solutions end-of-sale subsequently, the Bidder shall ensure that the same is supported by the respective OEM.
- 8.5 If a product is de-supported by the OEM for any reason whatsoever, from the date of Acceptance of the System till the end of contract, the Bidder should replace the products/ solutions with an alternate that is acceptable to the Purchaser at no additional cost to the Purchaser and without causing any performance degradation.
- 8.6 The Bidder shall ensure that the OEMs provide the support and assistance to the Bidder in case of any problems / issues arising due to integration of components supplied by him with any other component(s)/ product(s) under the purview of the overall solution. If the same is not resolved for any reason whatsoever, the Bidder shall replace the required component(s) with an equivalent or better substitute that is acceptable to Purchaser without any additional cost to the Purchaser and without impacting the performance of the solution in any manner whatsoever
- 8.7 The Bidder shall ensure that the OEMs supply and/or install all type of updates, patches, fixes and/or bug fixes for the firmware or software from time to time at no additional cost to the Purchaser.
- 8.8 The Bidder shall provision the required critical spares/ components at the designated Sites / office locations of the Purchaser for meeting the uptime commitment of the components supplied by him

9 Statutory Requirements:

- 9.1 During the tenure of this Contract nothing shall be done by the Bidder or his team in contravention of any law, act and/ or rules/regulations, there under or any amendment thereof governing inter-alia customs, stowaways, foreign exchange etc. and shall keep Purchaser indemnified in this regard.

10 Purchaser's Obligations

- 10.1 Purchaser or his/her nominated representative shall act as the nodal point for implementation of the contract and for issuing necessary instructions, approvals, commissioning, acceptance certificates, payments etc. to the Bidder.
- 10.2 Purchaser shall ensure that timely approval is provided to the Bidder as and when required, which may include approval of project plans, implementation methodology, design documents, specifications, or any other document necessary in fulfillment of this contract.

- 10.3 The Purchaser's representative shall interface with the Bidder, to provide the required information, clarifications, and to resolve any issues as may arise during the execution of the Contract. Purchaser shall provide adequate cooperation in providing details, coordinating and obtaining of approvals from various governmental agencies, in cases, where the intervention of the Purchaser is proper and necessary.

11 Intellectual Property Rights

- 11.1 The Bidder must ensure that while using any hardware, processes, document or material in the course of performing the Services, it does not infringe the Intellectual Property Rights of any person/Company. The Bidder shall keep the Purchaser indemnified against all costs, expenses and liabilities howsoever, arising out any illegal or unauthorized use (piracy) or in connection with any claim or proceedings relating to any breach or violation of any permission/license terms or infringement of any Intellectual Property Rights by the Bidder or the Bidder's Team during the course of performance of the Services. The Bidder's liability is excluded regarding any claim based on any of the following (a) anything Purchaser provides which is incorporated into the Solution; (b) the Purchaser's modification of the solution; (c) the combination, operation, or use of the solution with other materials, if the third party claim has been caused by the combination, operation or use of the solution
- 11.2 Purchaser shall own and have a right in perpetuity to use all newly created Intellectual Property Rights which have been developed solely during execution of this Contract, including but not limited to all processes, products, specifications, reports and other documents which have been newly created and developed by the Bidder solely during the performance of Services and for the purposes of inter-alia use or sub-license of such Services under this Contract. The Bidder undertakes to disclose all such Intellectual Property Rights arising in performance of the Services to the Purchaser, execute all such agreements/documents and obtain all permits and approvals that may be necessary in regard to the Intellectual Property Rights of the Purchaser.
- 11.3 If Purchaser desires, the Bidder shall be obliged to ensure that all approvals, registrations, licenses, permits and rights etc. which are inter-alia necessary for use of the goods supplied / installed by the Bidder, the same shall be acquired in the name of the Purchaser, prior to termination of this Contract and which may be assigned by the Purchaser to the Prime Bidder for the purpose of execution of any of its obligations under the terms of the Bid, Tender or this Contract. However, subsequent to the term of this Contract, such approvals, registrations, licenses, permits and rights etc. shall endure to the exclusive benefit of the Purchaser.

12 Taxes

- 12.1 Taxes shall be deducted at source by Purchaser from all the payments made to Bidder according to the Income tax Act, unless valid and complete documents for IT exemption are submitted by the Bidder prior to release of payment. A certificate shall be provided by Purchaser to the Bidder for any tax deducted at source.
- 12.2 The Bidder shall bear all personnel taxes levied or imposed on its personnel, or any other member of the Bidder's Team, etc. on account of payment received under this Contract. The Bidder shall bear all corporate taxes, levied or imposed on the Bidder on account of payments received by it from the Purchaser for the work done under this Contract.
- 12.3 The Bidder shall bear all taxes and duties etc. levied or imposed on the Bidder under the Contract including but not limited to Sales Tax, Customs duty, Excise duty, Octroi, Service Tax, VAT, Works Contracts Tax and all Income Tax levied under Indian Income Tax Act – 1961 or any amendment thereof during the entire contract period, i.e., on account of material supplied and services rendered and payments received by him from the Purchaser under the Contract. It shall be the responsibility of the Bidder to submit to the concerned Indian authorities the returns and all other connected documents required for this purpose. The Bidder shall also provide the Purchaser such information, as it may be required in regard to the Bidder's details of payment made by the Purchaser under the Contract for proper assessment of taxes and duties. The amount of tax withheld by the Purchaser shall at all times be in accordance with Indian Tax Law and the Purchaser shall promptly furnish to the Bidder original certificates for tax deduction at source and paid to the Tax Authorities.
- 12.4 Any changes in the statutory taxes & duties during the contract period shall be on RailTel account with in the original Date Of Completion. Beyond Date of completion, changes in statutory taxes & duties shall be on Purchaser's account only when the delay is on account of RailTel
- 12.5 The Bidder shall indemnify Purchaser against any and all liabilities or claims arising out of this Contract for such taxes including interest and penalty by any such Tax Authority may assess or levy against the Purchaser/Prime Bidder.

13 Indemnity

- 13.1 The Bidder shall indemnify the Purchaser from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of:
- a. any negligence or wrongful act or omission by the Bidder or any third party associated with the Bidder in connection with or incidental to this Contract; or
 - b. any breach of any of the terms of the Bidder's bid as agreed, the RFP and this Contract by the Bidder

- c. any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof
- 13.2 The Bidder shall also indemnify the Purchaser against any privilege, claim or assertion made by a third party with respect to right or interest in, ownership, mortgage or disposal of any asset, property etc.
- 13.3 Regardless of anything contained (except for the Bidder's liability for bodily injury and/ or damage to tangible and real property for which it is legally liable and its liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of the Bidder, is restricted to the total value of the contract and the Bidder is not responsible for any third party claims.

14 Dispute Resolution

- 14.1 Any dispute or difference whatsoever arising between the parties out of or relating to the construction, meaning, scope, operation or effect of this contract or the validity or the breach thereof shall be settled by arbitration in accordance with the Arbitration and Conciliation Act, 1996 as amended and the award made in pursuance thereof shall be binding on the parties. The venue of such arbitration or proceedings thereof shall be at New-Delhi.
- 14.2 All arbitration proceedings shall be conducted in English. Recourse against any arbitral award so rendered maybe entered into court having jurisdiction or application may be made to such court for the order of enforcement as the case may be.
- 14.3 The Arbitral Tribunal shall consist of the Sole Arbitrator appointed by CMD/RailTel Corporation Of India Limited, if the value of claim is up to Rs. 10 lakh. If the value of the claim or amount under dispute is more than Rs. 10 Lakhs, the matter shall be referred to the adjudication of arbitral council. Chairman Managing Director (CMD) of RailTel Corporation shall furnish a panel of three names to the contractor, out of which, contractor will recommend one name to be his nominee and then CMD/RailTel shall appoint one name as RailTel's Nominee and these two arbitrators with mutual consent shall appoint a third arbitrator who shall act as the deciding arbitrator in terms of Arbitration and Conciliation Act. The award of the sole arbitrator or the Arbitral council, as the case may be, shall be final and binding on both the parties. Each of the parties agree that notwithstanding that the matter may be referred to Arbitrator as provided herein, the parties shall nevertheless pending the resolution of the Controversy or disagreement, continue to fulfil their obligation under this Agreement so far as they are reasonably able to do so.

15 Conflict of interest

- 15.1 The Bidder shall disclose to the Purchaser in writing, all actual and potential conflicts of interest that exist, arise or may arise (either for the Bidder or the Bidder's Team) in the course of performing the Services as soon as practical after it becomes aware of that conflict.

16 Publicity

- 16.1 The Bidder / Bidder's Team shall not make or permit to be made a public announcement or media release about any aspect of this Contract unless the Purchaser first gives the Bidder its written consent.

17 Force Majeure

- 17.1 Force Majeure shall not include any events caused due to acts/ omissions of the Bidder resulting in a breach/ contravention of any of the terms of the Contract and/or the Bidder's Bid. It shall also not include any default on the part of the Bidder due to its negligence or failure to implement the stipulated/ proposed precautions, as were required to be taken under the Contract.
- 17.2 The failure or occurrence of a delay in performance of any of the obligations of either party shall constitute a Force Majeure event only where such failure or delay could not have reasonably been foreseen i.e. war, or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restriction, strikes, lockouts or act of God (hereinafter referred to as events) , or where despite the presence of adequate and stipulated safeguards the failure to perform obligations has occurred at any location in scope. In such an event, the affected party shall inform the other party in writing within five days of the occurrence of such event. Any failure or lapse on the part of the Bidder in performing any obligation as is necessary and proper, to negate the damage due to projected force majeure events or to mitigate the damage that may be caused due to the above mentioned events or the failure to provide adequate disaster management/ recovery or any failure in setting up a contingency mechanism would not constitute force majeure, as set out above.
- 17.3 In case of a Force Majeure, all Parties will endeavor to agree on an alternate mode of performance in order to ensure the continuity of service and implementation of the obligations of a party under the Contract and to minimize any adverse consequences of Force Majeure.

18 Bill passing & Paying Authority

- 18.1 Accounting unit/bill passing unit for the supplies under RFP is ED/RGM of concerned Regions. Bills to be submitted to the Executive Director/RGM of the concerned Regions for payment.

19 Limitation of Liability

- 19.1 Provided the following does not exclude or limit any liabilities of either party in ways not permitted by applicable law:

a) The Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser; and

b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to any obligation of the Supplier to indemnify the Purchaser with respect to intellectual property rights infringement.

20 Insurance

20.1 The Goods supplied under this Contract shall be fully insured by the Bidder at his own cost, against any loss or damage, till the Acceptance of the System. The Bidder shall submit to the Purchaser, documentary evidence issued by the insurance company, indicating that such insurance has been taken.

20.2 The Bidder shall bear all the statutory levies like customs, insurance, freight, etc. applicable on the goods and also the charges like transportation charges, octroi, etc. that may be applicable till the goods are delivered at the respective site of installation shall also be borne by the Bidder.

21 Corrupt Practices

21.1 The contractor shall not offer or give or agree to give to any person in the employment of the purchaser or working under the orders of the Purchaser any gift or consideration of any kind as an inducement or reward for doing on for bearing to do or for having done or forborne to do anyact in relation to the obtaining execution of the contract or any other contract with the Purchaser or for showing any favour or for bearing to show disfavor to any person in relation to the contract or any other contract with the Purchaser. Any breach of the aforesaid condition by the contractor or any one employed by him or acting on his behalf (whether with or without the Knowledge of the contractor) or the commission of any offence by the contractor or by any one employed by him or acting on his behalf under Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1947 or any other Act enacted for the prevention of corruption by public servants shall entitle the Purchaser to cancel the contract and all or any other contracts with the contractor and to recover from the contractor the amount of any loss arising from such cancellation in accordance with the provisions of this contract.

21.2 Any dispute or difference in respect of either the interpretation effect or application of the above condition or of the amount recoverable there under by the Purchaser from the contractor, shall be decided by the Purchaser, whose decision thereon shall be final and binding on the contractor.

22 Insolvency and Breach of Contract

22.1 The Purchaser may at any time, by notice in writing summarily determine the contract without compensation to the Contractor in any of the following events, that is to say:

- a. If the Contractor being an individual or if a firm, any partner thereof, shall at any time, be adjudged insolvent or shall have a receiving order or order for administration of his estate made against him or shall take any proceeding for composition under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or enter into any assignment or composition with his creditors or suspend payment or if the firm be dissolved under the Partnership Act, or
- b. If the Contractor being a company is wound up voluntarily or by the order of a Court or a Receiver, Liquidator or Manager on behalf of the Debenture-holders is appointed or circumstances shall have arisen which entitle the Court or Debenture holders to appoint a Receiver, Liquidator or Manager, or
- c. If the Contractor commits any breach of the contract not herein specifically provided for. Provided always that such determination shall not prejudice any right of action or remedy which shall have accrued or shall accrue thereafter to the Purchaser and provided also the Contractor shall be liable to pay to the Purchaser for any extra expenditure he is thereby put to and Contractor shall, under no circumstances, be entitled to any given on re-purchase.

23 Laws governing the Contract

23.1 This contract shall be governed by the Laws of India for the time being in force.

23.2 Irrespective of the place of delivery, the place of performance or place of payment under the contract, the contract shall be deemed to have been made at the place from which the acceptance of tender has been issued.

23.3 Jurisdiction of courts- This Courts of the place from where the acceptance of tender has been issued shall alone have jurisdiction to decide any dispute arising out of or in respect of the contract.

23.4 Compliance with provisions of Contract Labour (Regulation and Abolition) Act, 1970:

1) The Contractor shall comply with the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the Contractor Labour (Regulation and Abolition) Central Rules, 1971, as modified from time-to-time, wherever applicable and shall also indemnify the Purchaser from and against any claims under the aforesaid Act and the Rules.

2) The Contractor shall obtain a valid license under the aforesaid Act as modified from time-to-time before the commencement of the contract and continue to have a valid license until the completion of the contract. Any failure to fulfil this requirement shall attract the penal provisions of the contract arising out of the resultant non-execution of the contract.

3) The Contractor shall pay to labour employed by him directly or through Sub-Contractors the wages as per provisions of the aforesaid Act and the Rules wherever applicable. The Contractor shall, notwithstanding the provisions of the contract to the contrary, cause to be paid the wages to labour indirectly engaged on the contract including any engaged by his Sub-Contractors in connection with the said contract, as if the labour had been immediately employed by him.

4) In respect of all labour directly or indirectly employed in the contract for performance of the Contractor's part of the contract, the Contractor shall comply with or cause to be complied with the provisions of the aforesaid Act and the Rules wherever applicable.

5) In every case in which, by virtue of the provisions of the aforesaid Act or the Rules, the Purchaser is obliged to pay any amount of wages to a workman employed by the Contractor or his Sub-Contractor in execution of the contract or to incur any expenditure in providing welfare and health amenities required to be provided under the aforesaid Act and the Rules or to incur any expenditure on account of the contingent liability of the Purchaser due to the Contractor's failure to fulfil his statutory obligations under the aforesaid Act or the Rules the Purchaser will recover from the Contractor, the amount of wages so paid or the amount of expenditure so incurred, and without prejudice to the rights of the Purchaser under Section 20, Sub-section (2) and Section 21, Sub-section (4) of the aforesaid Act, the Purchaser shall be at liberty to recover such amount or part thereof by deducting it from the security deposit and/or from any sum due by the Purchaser to the Contractor whether under the contract or otherwise. The Purchaser shall not be bound to contest any claim made against it under Sub-section (i) of Section 20 and Sub-section (4) of Section 21 of the aforesaid Act except on the written request of the Contractor and upon his giving to the Purchaser full security for all costs for which the Purchaser might become liable in contesting such claim. The decision of the Purchaser regarding the amount actually recoverable from the Contractor as stated above, shall be final and binding on the Contractor.

24 Warranty/Guarantee

- 24.1 The bidder shall ensure that material to be supplied and installed for the deliver of the services shall be free from all defects and faults in material, workmanship, manufacture and shall be of the highest grade consistent with the established and generally accepted standards of materials for the type ordered and shall perform in full conformity with the specifications and drawings. The bidder shall ensure warranty/guarantee from the supplier who shall be responsible for any defects (with respect to the specification of the material) that may develop subsequently under the conditions provided in the contract under proper use, arising out of faulty materials, design or workmanship such as corrosion, inadequate quantity of material to meet equipment requirements, deficiencies in design and/ or otherwise and shall remedy such defects with 2 working days so as to maintain the SLAs of service.

- 24.2 If it becomes necessary for the contractor to replace or renew any defective portion/portions of the supplies under this clause, the provisions of the clause shall apply to the portion/portions of the equipment/ material so replaced or renewed or until the end of the above mentioned period, whichever may be later. If any defect is not remedied within a reasonable time, the Purchaser may proceed to work at the contractor's risk and expenses, but without prejudice to any other rights which the Purchaser may have against the contractor in respect of such defects.
- 24.3 Replacement under warranty clause shall be made by the contractor free of all charges at site including freight, insurance and other incidental charges.
- 24.4 The Contractor/Seller hereby covenants that it is a condition of the contract that all goods/stores/articles furnished to the Purchaser under this contract shall be of the highest grade free of all defects and faults and of the best materials, quality, manufacture and workmanship throughout and consistent with the established and generally accepted standards for materials of the type ordered and in full conformity with the contract specification, drawing or sample, if any and shall, if operable, operate properly.
- 24.5 The Contractor also guarantees that the said goods/stores/articles would continue to conform to the description and quality as aforesaid, for a period as mentioned in BID data sheet after their delivery or after a period as mentioned in BID data sheet from the date of placement in service whichever shall be sooner, and this warranty shall survive notwithstanding the fact that the goods/stores/articles may have been inspected, accepted and payment thereof made by the Purchaser.
- 24.6 If during the aforesaid period, the said goods/stores/articles be discovered not to conform to the description and quality aforesaid or have deteriorated, otherwise that by fair wear and tear the decision of the Purchaser in that behalf being final and conclusive that the Purchaser will be entitled to reject the said goods/stores/articles or such portions thereof as may be discovered not to conform to the said description and quality. On such rejection, the goods/stores/articles will be at the Seller's risk. If the Contractor/Seller so desires, the rejected goods may be taken over by him or his agents for disposal such manner as he may deem fit within a period of 3 months from the date of such rejection. At the expiry of the period, no claim whatsoever shall lie against the
- 24.7 Purchaser in respect of the said goods/stores/articles, which may be disposed of by the Purchaser in such manner as he thinks fit. Without prejudice to the generality of the foregoing, all the provisions in contract conditions relating to rejection and failure shall apply.

24.8 The Contractor/Seller shall, if required, replace the goods or such portion thereof as have been rejected by the Purchaser, free of cost, at the ultimate destination, or at the option of the Purchaser, the Contractor/Seller shall pay to the Purchaser, the value thereof at the contract price and such other expenditure and damage as may arise by reason of the breach of the conditions hereinbefore specified. Nothing herein contained shall prejudice any other right of the Purchaser in that behalf under this contract or otherwise.



Request for Proposal ('RFP') for
Empanelment of Managed Wi-Fi Service Providers
for Wi-Fi at Railway Stations

Section IV

Bid Submission Formats and Proforma

**RailTel Corporation of India Limited
(A Government of India Enterprise)
Plot No 143, Sector 44,
Institutional Area, Opposite to Gold Souk,
Gurgaon, Haryana 122003**

Section IV – Bid Submission Formats and Proforma

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1 Bidder Profile

Form 1 – Bidder Profile

S. No.	Particulars	Description/ Details	Reference Documents	Page No.
A.	Name of Bidder		-	-
B.	Contact Details		-	-
	Address			
	Telephone No.			
	Fax			
	Email			
	Website			
C.	Incorporation Details		Certified copy of incorporation under Indian Companies Act, 1956	
	Incorporation Number			
	Date of Incorporation			
	Authority			
D.	Sales/Trade Tax Regn. Details		Certified copy of valid Sales/Trade Tax Registration	
	Sales/TradeTax No.			
	Date			
	Registration Authority			
E.	Service Tax Regn Details		Certified copy of valid Service Tax Registration in India	
	Service Tax No.			
	Date			
	Registration Authority			
F.	Legal Status of Company			
G.	Name of Authorized Signatory		Special Power of Attorney, duly authorizing the person signing the bid documents to sign on behalf of the bidder and thereby binding the bidder	
	Position			
	Telephone			

S. No.	Particulars	Description/ Details	Reference Documents	Page No.
	Fax			
	Mobile			
	Email			
J	Number & Address of Offices			
	a) In India			
	b) Outside India			
Full Name and Signature of the Authorized Representative:				

Bidder:

Signature -----

Name -----

Designation -----

Company -----

Date -----

2 Response to Eligibility and Evaluation Criteria

Form 2.1 – Response to Eligibility Criteria

S No.	Description	Proof Required	Response	Reference in Bid
1	The bidder should be a Company registered in India under the Companies Act 1956 or later or a partnership registered under the Indian Partnership Act 1932 or LLP act 2008 with their registered office in India as on 31st March 2015.	Copy of valid Certificate of incorporation Registration attested by Company Secretary/ Authorized Signatory		
2	As on date of submission of the proposal, the Bidder shall not be under any declaration of ineligibility for unsatisfactory past performance, corrupt or fraudulent practices, any other unethical business practices or blacklisted either by Central / State Government, PSU, Local or Urban body - Municipalities, Ministry/ Department of Government of India/ State Governments.	Certificate from the Company Secretary to the effect that the Bidder is not blacklisted by any of the Central / State Government, PSU, Local or Urban body - Municipalities, Ministry/ Department of Government of India/ State Governments.		
3	Power of Attorney in the name of authorized signatory authorizing him	Power of Attorney in the name of authorized		

S No.	Description	Proof Required	Response	Reference in Bid
	for signing the bid documents or related clarifications on bid documents	signatory		
4	The bidder should be an IT or Wi-Fi Solution Provider with experience of executing 2 or more projects involving Wi-Fi as a component in last 3 years. At least one of these should be a public wifi project.	Work Order / LOI / Client letter		
5	Bidder should not be licensed telecom service provider in India for mobility solutions or UASL or ISP license holder	A self-declaration signed by the Authorized Signatory must be submitted		
6	The bidder should have minimum cumulative turnover of Rs10 Crores during last three financial years (2012-13, 2013-14 and 2014-15) and must submit audited balance sheet of the company for last three financial years.	Certificate from Statutory Auditor Copy of Audited Annual reports		
7	Bidders should have a prior experience of	Duly signed & stamped copies of		

S No.	Description	Proof Required	Response	Reference in Bid
	implementing similar solution (WiFi / Internet) with at least three Government (Central/State/local), PSUs, Educational Institutions or reputed company/organization where each installation is having more than 10 access points	supporting purchase orders along with work completion certificate from the client.		
8	The bidder should have a registration number of - 1. VAT where his business is located 2. CST where his business is located 3. Service Tax	Duly signed & stamped copies of relevant certificates of registration		

Bidder:

Signature _____

Name _____

Designation _____

Company _____

Date _____

Form 2.2 – Response to Evaluation Criteria

S No.	Description	Proof Required	Response	Reference in Bid
1	Total cumulative turnover of the lead bidder in last 3 financial years –2012-13, 2013-14and 2014-15	Audited financial statements (Balance Sheet, P&L Statement, Notes to account) for the last three financial years. Certificate from Statutory Auditor		
2	Company's profitability (Lead Bidder)	Certificate from Statutory Auditor		
3	Experience of implementing Wi-Fi / internet solution or providing WiFi / Internet services in last 5 years	Work Order / LOI / Client letter		
3	Experience of WiFi Monetization – No of methods of monetization would be scored	Work Order / LOI / Client letter along with detailed write up on business model		
4	Approach and Methodology	Detailed Write Up		
5	Proposed Business Model	Detailed Write Up		
6	Technical Solution	Detailed write up and compliance to the requirements		

S No.	Description	Proof Required	Response	Reference in Bid
7	Profile of Business Modelling expert	Detailed CV		

3 Bidder's Experience

Form 3.1 –List of Projects

Assignment name:	Country:
Shipment Location Details (From –To):	Professional Staff Provided by Your Firm/Entity (profiles):
Name of Client:	Assignment Value:
Address:	Start Date (Month/Year): Completion Date (Month/Year):
Narrative Description of Project:	
Description of Actual Services Provided:	

For each of the project listed above the bidder needs to provide documentary evidence(Copy of Work Order and Completion Certificate)

Bidder:

Signature -----
Name -----
Designation -----
Company -----
Date -----

4 Deleted

5 Bid Submission Letter

Form 5 –Bid Submission Letter

To

Managing Director

RailTel Corporation of India Ltd.
Plot No. 143, Institutional Area,
Opposite-Gold Souk,
Sector-44, Gurgaon-122003

Sir,

**Sub: Response to Request for Proposal ('RFP') for Empanelment of Service Providers for Wi-Fi at
Railway Stations**

Ref: RFP No Tender Number: RCIL/Tender/OT/CO/SB/2015-16/WiFi/95 dated 19/09/2015

1. I/We _____ have read the various conditions detailed in tender documents attached here to and hereby agree to ABIDE BY THE SAID CONDITIONS.
2. I/We also agree to keep this offer open for acceptance for a period of 180 days from the date of submission and in default thereof.
3. I/We will be liable for forfeiture of my/our Earnest Money.
4. I/We agree to offer the best prices for the offered products to RailTel and / or its appointed and prospective implementing agencies during various RFPs and RFQs etc.
5. We confirm having submitted the information as required by you as Qualification Criteria. In case you require any other further information / documentary proof in this regard before evaluation of our bid, we agree to furnish the same in time to your satisfaction.
6. I/We also hereby agree to abide by the Various Conditions of Contract and to carry out the supplies according to the Specifications for materials and works laid down by the RailTel.
7. I/We have not taken any deviations in the Scope of work, Terms and Conditions, and Technical Specifications as mentioned in the RFP. Further, we confirm that we have not mentioned any additional conditions, assumptions and if any, found in the Proposal documents shall not be given effect to.
8. A sum of Rs (As per Bid data sheet) as an Account Payee Demand Draft in favour of RailTel Corporation India Ltd. No. _____ dated _____ issued by _____ is herewith forwarded as "Earnest Money". The full value of the Earnest Money shall stand forfeited without prejudice to any other rights or remedies if, I/We withdraw or modify the offer within

validity period or do not deposit the security deposit (Performance Bank Guarantee) within 15 days after issue of notification of award/empanelment

9. We hereby declare that in case we are selected to be empanelled with RailTel, we shall submit the contract Performance bank guarantee in the form prescribed in the RFP.
10. We hereby declare that our bid is made in good faith, without collusion or fraud. All the information and statements made in this Proposal are true and accept that any misinterpretation contained in it may lead to our disqualification
11. We understand that our bid is binding on us and that you are not bound to accept any Bid you receive.

Thanking you,

Yours faithfully,

(Signature of the Bidder)

Printed Name

Designation

Seal

Date:

Place:

Business Address:

6 Manufacturer's Authorization Form

Form 6 – Manufacturer's Authorization Form

Manufacturer's Authorization

(To be obtained from the OEM on OEM letterhead)

RFP No.:

Date: _____

To

Managing Director

RailTel Corporation of India Ltd.

Plot No. 143, Institutional Area,

Opposite-Gold Souk,

Sector-44, Gurgaon-122003

WHEREAS _____ who are official
manufacturers of _____ having factories at
_____ do hereby authorize
_____ to submit a Bid in relation to the
Invitation for Bids indicated above, the purpose of which is to provide the following Goods, manufactured
by us _____ and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty, with respect to the Goods offered by the above firm in
reply to this Invitation for Bids. We also confirm that the Goods/Services proposed as a part of the RFP
shall not be End of Sale / Life / Support for at least 5 years from the date of bid submission. The products
offered by us are of equivalent or higher specifications as mentioned in the RFP.

Signature: _____

Full Name: _____

Address: _____

7 Certificate as to Corporate Principal

Form 7 - Certificate as to Corporate Principal

(To be signed by any of Board Directors or Company Secretary)

(To be accompanied along with requisite copy of the board resolution)

I _____ certify that I am _____ of the Company under the laws of _____ and that _____ who signed the above tender is authorized to bind the Company / Firm by authority of its governing body.

Signature: _____

Full Name: _____

Address: _____

8 Performance Bank Guarantee for Contract Performance

Form 8 – Performance Bank Guarantee for Contract Performance

(To be stamped in accordance with Stamp Act)

(The non-judicial stamp paper should be in the name of issuing bank)

GUARANTEE BOND FOR PERFORMANCE GUARANTEE

1. In consideration of the RailTel Corporation of India Limited, having its registered office at 10th Floor, Bank of Baroda Building, 16 Sansad Marg, New Delhi-110001 (Herein after called RailTel) having agreed to exempt (Hereinafter called “the said Contractor(s)”) from the demand, under the terms and conditions of an Purchase Order No.dated.....made between.....and for (hereinafter called “ the said Agreement”) of security deposit for the due fulfillment by the said Contractor (s) of the terms and conditions contained in the said Agreement, on production of a Bank Guarantee for Rs. (Rs only). We (indicate the name of the Bank) hereinafter referred to as “the Bank”) at the request of Contractor(s) do hereby undertake to pay the RailTel an amount not exceeding Rs. against any loss or damage caused to or suffered or would be caused to or suffered by the RailTel by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said Agreement.
2. We , Bank do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on demand from the RailTel stating that the amount is claimed is due by way of loss or damage caused to or would be caused to or suffered by the RailTel by reason of breach by the said Contractor(s) of any of terms or conditions contained in the said Agreement or by reason of the Contractor(s) failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs
3. We, bank undertake to pay to the RailTel any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) / Tenderer(s) in any suit or proceedings pending before any court or Tribunal relating thereto our liability under this present being, absolute and unequivocal. The payment so made by us under this Bond shall be a valid discharge of our liability for payment there under and the Contractor(s) / Tenderer(s) shall have no claim against us for making such payment.
4. We,Bank further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the RailTel under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till RailTel certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this Guarantee.Unless a demand or claim under the Guarantee is made on us in writing on or before the We shall be discharged from all liability under this Guarantee thereafter.
5. We,.....(indicate the name of Bank) further agree with the RailTel that the RailTel shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the Agreement or to extend time of to postpone for any time or from time to time any of the powers exercisable

by the RailTel against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension to the said Contractor(s) or for any forbearance, act or omission on the part of RailTel or any indulgence by the RailTel to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have affect of so relieving us.

6. This Guarantee will not be discharged due to the change in the Constitution of the Bank or the Contractor(s) / Tenderer(s).
7. We,..... (indicate the name of Bank) lastly undertake not to revoke this Guarantee during its currency except with the previous consent of RailTel in writing.
8. Notwithstanding anything contained herein, Our liability under the Bank guarantee shall not exceed Rs..... (In Rupees). This Bank Guarantee shall be valid up to.....and we are liable to pay the guaranteed and or any part thereof under this Bank Guarantee only and if you serve upon is a written claims or demand or before.....(date of expiry of guarantee).

Dated the.....day of.....2015

for
(Indicate the name of the Bank)

Witness

1. Signature
Name
2. Signature
Name:

9 Pre-bid Query Format

Form 9– Pre-bid Query Format

BIDDER'S REQUEST FOR CLARIFICATION			
Name and Address of the Organization submitting request		Name and Position of Person submitting request	Contact Details of the Organization / Authorized Representative
			Tel:
			Fax:
			Email:
S. No	RFP Reference(s) (Section, Page)	Content of RFP requiring clarification	Points of clarification required
1			
2			

Bidder:

Signature -----

Name -----

Designation -----

Company -----

Date -----

10 Profile of Business Modelling Expert

The Bidder is required to provide the profile of Business Modelling Expert proposed for “Wi-Fi Services” project. The Managed Service Provider should have conducted background check of the proposed personnel prior to assigning them on the “Wi-Fi Services” project.

1.	Proposed position	Business Modelling Expert			
2.	Name of the Firm				
3.	Name of Staff				
4.	Date of Birth				
5.	Nationality				
6.	Education				
7.	Membership of Professional Associations				
8.	Other Training				
9.	Countries of Work Experience				
10.	Language	Language	Read	Write	Speak
11.	Employment Record	Employer	Position	From	To
12.	Detail Tasks Assigned				
13.	Work Undertaken that best illustrates capability to handle the Tasks Assigned				
< Similar Project 1>					
<Similar Project 2>					
Certification: I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged. Date: Place:					

11 Checklist for RFP response

Form 11 - Technical Response Checklist

Sr No	Checklist	Included (Yes / No)	Reference in the bid (Section, Page)
1	Cost of RFP document		
2	Earnest Money Deposit as per Form 6		
3	Notarized Power of Attorney executed by the Bidder in favour of the duly Authorized Representative, certifying him as an authorized signatory as per form 7		
4	Technical Bid Submission letter as per form 5		
5	Bidder Profile as per form 1		
6	Manufacturer's Authorization Form as per form 6		
7	Response to Eligibility Criteria as per form 2		
8	Bidder's experience as per form 3		
9	Approach and Methodology		
10	Proposed Business Model		
11	Technical Solution		
12	Resource Profile as per form 13		
13	Documentary evidences of bidders experience in form of copy of Work Order and Completion Certificate		

12 Financial Proposal Format

Form 12.1 – Financial bid submission Letter

To

Managing Director

RailTel Corporation of India Ltd.

Plot No. 143, Institutional Area,

Opposite-Gold Souk,

Sector-44, Gurgaon-122003

Sir,

Sub: Response to Request for Proposal ('RFP') for Empanelment of Service Providers for Wi-Fi at Railway Stations

Ref: Tender No. _____ dated _____

We, the undersigned Bidders, having read and examined in detail all the RFP/ bidding documents in respect of do hereby propose to provide services as specified in the RFP document number _____ dated _____.

1. PRICE AND VALIDITY

The price mentioned in our bid is in accordance with the terms as specified in the RFP documents.
This bid is valid for a period of 180 calendar days from the date of opening of the technical bids.

2. We have studied the relevant clause(s) in Indian Tax Laws and hereby declare that any taxes, surcharge towards Professional and any other corporate Tax applicable under the laws, we shall pay the same.

3. BID PRICING

We further confirm that the price stated in our bid is in accordance with the RFP documents.

4. QUALIFYING DATA

We confirm having submitted the information as required by you as per the RFP documents. In case you require any other further information/documentary proof in this regard before evaluation of our bid, we agree to furnish the same in time to your satisfaction.

5. BID PRICE

This price is attached with our bid as part of the bid..

6. CONTRACT PERFORMANCE BANK GUARANTEE

We hereby declare that in case the contract is awarded to us, we shall submit the contract Performance Bank Guarantee in the form prescribed in the RFP within 15 days of issue of LOI.

7. We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief.
8. We understand that our bid is binding on us DURING THE VALIDITY PERIOD OR THE EXTENSIONS THEREOF and that you are not bound to accept our Bid.

Thanking you,

Yours faithfully,

(Signature of the Bidder)

Printed Name

Designation

Seal:

Date:

Place:

Business Address:

Form 12.2 – Financial Proposal Format

Sr No	Item Description	Rate*
1	Percentage Revenue Share to Railtel	
	In Words:	

***Quoted Rates should not be less than 40% and not higher than 60%**



Request for Proposal ('RFP') for
Empanelment of Managed Wi-Fi Service Providers
for Wi-Fi at Railway Stations

Section V

Scope of Work

**RailTel Corporation of India Limited
(A Government of India Enterprise)
Plot No 143, Sector 44,
Institutional Area, Opposite to Gold Souk,
Gurgaon, Haryana 122003**

Section V - Scope of Work

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1 About RailTel

RailTel Corporation of India Limited, a Public Sector Undertaking under the Ministry of Railways, Govt. of India, and is a national telecom service provider having NLD, ISP A and IP1 licenses and have built nation-wide optical fiber network. RailTel's objective is to create a nation-wide broadband and multimedia network. It is an ISO-9001:2000 organization and was formed in Sept 2000 with the objectives to create nationwide Broadband Telecom and Multimedia Network in all parts of the country, to modernize Train Control Operation and Safety System of Indian Railways and to significantly contribute to realization of goals and objective of national telecom policy 1999. RailTel is a wholly owned subsidiary of Indian Railways.

RailTel has built a high capacity telecom network using SDH/DWDM based optical transmission systems and high-end MPLS-IP routers. RailTel has extensive expertise in building telecom networks. Moreover, RailTel draws its manpower from signal and telecom branch of Indian Railway which has been in the business of construction, operation and maintenance of telecom systems for more than 50 years. More than 400 cities covering over 37,000 RKMs across the country are connected on the network with multiple STM-16 (n x 2.5 Gbps) connectivity. RailTel has also implemented ultra-high capacity DWDM network over 20,000 RKM to provide 400 Gbps, which is further upgradable to 800 bps in future.

RailTel's backbone Transport Network has been configured in multiple 'Self-Healing' Ring architectures which provide for redundancy by automatically redirecting and switching traffic from failed/ degraded routes for an uninterrupted service ensuring maximum up time and service reliability. The network supports multiple ring protection schemes. The network has been designed in such a way that full redundancy is available for bandwidth between any two points.

The whole network is managed by centralized network management/ operation system (NMS) centrally located at New Delhi with back up facilities at Secundrabad / Kolkata / Mumbai. RailTel has got unique advantage to offer the best quality service (QOS) from a single unified network with PAN India presence. This state of art network enables point and click provisioning of the bandwidth and other services from anywhere to anywhere in the country.

1.1 RailTel focus on National Transformation

Railtel has played an active part with transformational agenda by the Government of India with various strategic projects, which are of national importance.

- National Broad Band Network
- National Knowledge Network
- Rail wire - Retail Broadband through a collaborative platform
- Alternative Network For National Security
- Intelligent Network Infrastructure for Smart City Communications

- Rural Broad Band
- Citywide High Quality Gigabit WI – FI
- National Infrastructure Disaster Response Management
- Public Safety and Security
- Technological Innovation and Invention

2 Project Background

National Telecom Policy-2012 has the vision of “Broadband on Demand” and envisages leveraging telecom infrastructure to enable all citizens and businesses, both in rural and urban areas, to participate in the Internet and web economy thereby ensuring equitable and inclusive development across the nation. It provides the enabling framework for enhancing India’s competitiveness in all spheres of the economy.

With the increased usage of Social Media where Videos and Pictures are being shared, there is a need for providing excellent data hotspots at high footfall locations. Additionally the Unified Access Service providers are keen to monetise their offerings to their customers by way of improved data services. To do so they are planning to create Mobile Data Offload (MDO) Hotspots where they can provide Wi-Fi hotspots thereby freeing their spectrum. Different business models are therefore emerging to monetise the data growth. RailTel has been mandated to provide high speed internet services at Railway Stations for Railway Passengers. RailWire will be the Hotspot service for all Railway Stations and some other locations. This has generated the need to standardize the minimum technical specifications of the various Access Point Devices and its management systems which can be used to setup these public hotspots at railway stations. Also with increased focus on Digital India Programme of Government of India, to integrate the government departments and the people of India and to ensure effective governance which aims at ensuring the government services made available to citizens electronically, access to high speed broadband is important. Railtel sees itself an important change agent. Having a large network backbone across the country, Railtel finds itself uniquely placed to turn vision into reality at a faster pace while maintaining the product and service quality.

Railtel wants to build the ecosystem of Service providers through which it can deliver Wi-Fi services to the passengers of India Railways.

3 Introduction

Through this RFP, Railtel intends to empanel Managed Service Providers (MWSP) for implementation of “Wi-Fi Services” at 302 Railway Stations across India having annual passenger earning between Rs 4 Crore to Rs8Crore and locations around railway. For ease of implementation, these 302 stations have

been divided into four regions (North, East, West and South regions). Bidders may submit their empanelment proposal indicating their region of interest. Bidders interested in more than 1 regions may also accordingly submit their bids. In addition to these Railway stations ,RailTel may decide to provide public wi-fi in other locations where the concerned authorities may provide RailTel the rights for the same. These places may include, tourist locations as decided by Archaeological Department, bus terminals, market places etc.

The empanelled bidders shall be given preference in the Wi-Fi projects likely to be undertaken by RailTel in enterprises, academic institutions, government offices etc.

Through this RFP, RailTel intends to empanel Managed Service Provider for Railway stations in four (4) zones for providing Wi-Services. Railtel invites bids from firms having previous experience of providing similar services to reputed organization/agencies such as IT / Telecom Service Providers/ Wi-Fi Solution Provider etc.

Empanelled Managed Service Provider shall be responsible for end-to-end implementation of the “Wi-Fi Services” project at each railway station (supply, installation, operation and maintenance of Wi-Fi devices and services, details provided in Section – V, Clause 8). Railtel shall provide MWSP with Point-of-Presence (PoP) and switch at min platforms of all railway stations. MWSP shall supply, install, operate and maintain (a) Wireless Access Point Devices and its Management System software / hardware (b)Wi-Fi network at each station (including cabling) (c) Kiosk for Wi-Fi Service management (d) other hardware/software/ application(s) required to manage Wi-Fi services at each railway station.

“Wi-Fi Services” project has been envisaged to operate on shared revenue basis between Railtel and Managed Service Provider (MWSP) through pre-paid wallet. Managed Service Provider is expected adopt suitable revenue model to generate revenue through multiple channels such as user subscription fee, mobile data off-load fee, advertisement based revenue etc. Centralised Billing Solution (CBS) hosted and managed by Railtel shall form the core revenue management application and will handle ISP related business like paid –wi-fi and MDO. MWSP can use RailTel's AAA or alternatively provide its own AAA hosted in RailTel's DC conforming to all the regulatory requirements..Itshall be the responsibility of the Managed Service Provider to integrate their AAA and advertising billing system with RailTel's CBS for revenue management through all channels.

Roles and responsibilities of Bidder

- To commission the Services in a timely and professional manner. BIDDER shall use commercially reasonable efforts to provide the Services under this Agreement during all days without any interruption in accordance with industry standards, except where such interruption arises out of, results from, or is related to an event of Force Majeure or other cause or circumstances beyond the reasonable control of BIDDER;

- To arrange to provide, install and commission all the necessary hardware, software and accessories required to provide the Services, as per this agreement at its cost it will build and maintain the Wi-Fi access network in and around assigned railway station. It shall maintain the network with committed SLA and ensure warranties and AMC's of equipment etc. are in place to maintain committed network uptimes.
- Responsible for the service design / content of customer registration / login page/ web pages with the concurrence of RailTel. It will design and commission the Wi-Fi network with high for Mobile Data Offload (MDO) services. The network coverage should be at least 60% of the station area.
- To provide the Wi-Fi access points, UPS, racks and CAT 6 cabling and other associated infrastructure required to provide the service and also manage required NMS / NOC for management of Wi-Fi and other services at their own cost.
- To provide required manpower at railway stations for O&M of infrastructure in consultation with Railtel.
- Update technology as and when new features are available.
- Work to get the principle sponsors for this project, in consultation with Railtel. Railtel shall also facilitate the tie-up with major players.
- Responsible for generating revenue through affiliate marketing & advertisement (Cost per click advertising, banner ads, etc).
- Shall facilitate seamless integration with existing Wi-Fi system being set up in other sections by RailTel

Roles and responsibilities of Railtel

- To provide Switches and Fibre connectivity till the Switch locations along with Power supply to the fibre switches. The required internet bandwidth will be provided at the stations.
- To provide Bandwidth at the Data Centre as required and to centrally manage & monitor the health, causes of failure, if any to be intimated to the maintenance team of BIDDER.
- To coordinate with Railways for space/area for the BIDDER to install the Equipment
- To provide access to each Platform to install the equipment and help, wherever required in installing and commissioning of these equipment and get the required permissions. This will extend to the maintenance jobs to be undertaken by BIDDER.
- To provide power supply (AC/DC) for BIDDER'S Equipment at RailTel's POP. Bidder has to provide required UPS for managing the service.
- To provide adequate capacity for BIDDER on Railtel's network, as business conditions may warrant, from time to time.
- To provide 24X7 support for any RAILTEL network connectivity issues, through its Network Operation Centre (NOC).

- Data center hosting facilities will be provided by RailTel on cost basis.
- To provide authentication system in compliance with ISP license conditions and billing system for the ISP service. To provide required I-Cards to BIDDER staff for access in Railway Stations & other areas.
- Responsible for generating revenue through sharing infrastructure for Mobile Data Offload with other cellular operators

4 Project Design

4.1 Eligible Bidders will be empanelled for providing end-to-end Wi-Fi services. The allocation of stations would be done through a separate process which will be decided based on the outcome of this empanelment process. The tentative process for allocation is follows:

- i) The empanelled bidders would be ranked as per the score in the technical evaluation.
- ii) Since scale of deployment may be critical for the viability of the business RailTel may select one or two bidders if there are bidders interested and willing to take up all four or two regions of RailTel. For this purpose RailTel's Southern and Western Region will be Zone I and RailTel's Northern and Eastern Regions Will be Zone II.
- iii) Bidders can also bid for one region, then the four regions would be allocated based on choice of the bidders with the highest ranked bidder getting the first choice.
- iv) In the case the bidders not willing to take up a whole region but would like to work with smaller number of stations then the stations will be grouped into telecom circles and the same will be allocated based on the choice of the bidders with the highest ranked bidder getting the first choice and then on.
- v) RailTel may revise the allocation process based on inputs at the pre-bid conference to achieve the objectives of the RFP.

4.2 Bidders shall adopt sustainable revenue model for providing Wi-Fi Services to users. The Managed Service provider shall provide first 20-30 minutes of Wi-Fi service free of cost to each user for each day. Any usage beyond the first 20-30 minutes shall be charged as per MWSP revenue model at Railtel approved rates. Actual duration of required free service shall be decided at a later stage, however it would be in a range of 20 to 30 mins.

4.3 'Empanelment Term' or duration for empanelment of Managed Service Provider for a zone shall be for a period of five year with empanelment term extendable by one year.

- 4.4 Empanelled Managed Service Provider may be awarded contract for implementation of “Wi-Fi Services” project at any railway station for the zone it has been empanelled for during the empanelment term. The ‘Contract Term’ for Wi-Fi project implementation shall be for a period of 5years from the date of security clearances unless revoked earlier for whatever reasons. RailTel may extend, if deemed expedient, the contract term in block of 2 year at a time, suo- moto or upon request of MWSP. The decision of RailTel shall be final in regard to the grant of extension. The extension of the contract shall be at mutually agreed revenue share and other terms and conditions.
- 4.5 The time duration for the implementation of the project is envisaged to be 1 year.
- 4.6 The MWSP shall carry out pilot implementation first against which RailTel shall provide a Provisional Acceptance Certificate.
- 4.7 MWSP shall be required to setup a central customer support and technical helpdesk for the services during the entire project period.
- 4.8 All expenses towards power supply and power backup shall be borne by the MWSP.
- 1) Revenue generation shall be the responsibility of the MWSP. MWSP shall make reasonable efforts to increase revenue during the project period. RailTel will also have the option of using alternate means of generating advertising revenue without affecting the revenue share.
- 4.9
- Revenue Share: It is envisaged that the revenue streams can be broad categorized into
- i) Sponsorship and advertisement based revenue
 - ii) Mobile data offload and telco connected business
 - iii) Paid wi-fi and VAS
- 4.10 Bidders will have to submit project plan with timelines accepted by RailTel. In case the bidder is not able to meet the milestones, then RailTel will have the right to reallocate the awarded stations to other empanelled bidders to meet the goals of RFP.

5 Overview of the Proposed Solution

The Proposed solution connects to in scope railway stations leveraging RailWire network, which are available at the railway station. The connectivity from RailWire network to station shall be extended via fiber to last mile. The procurement of access points shall be done by MWSP. who would also lay the fiber cabling on stations along with implementation of access points on various stations, operate, and manage the WiFi services. The access network further connects to RailWire network, which also connects to Data centre from where the control and management of Wi-Fi subsystem takes place. The selection of access points shall be done basis of density of users and other performance parameters such as security, speed etc.

To start with access points or Point of Presence (PoP) shall be provisioned at railway stations implemented in controller based model where access points shall be managed by using wireless controller, which shall be positioned at Data centre (Railtel). The proposed solution shall include access points for all Railway Stations which shall be supplied by empanelled MWSPs Railtel or the implementing agencies for the Access Point Network (APN).

The MWSP shall design the Wi-Fi setup at each location to accommodate the users' bandwidth need and requirements. The profiling of users and appropriate policies shall be pushed from Railtel data centre. The wireless controllers shall also be integrated with AAA (Authentication server) to properly manage the policies, which may be required for different user types. The access points shall negotiate using SSID with controller. The controllers register the access points and accordingly allow the access point post checking with AAA server

5.1 Indicative Architecture Diagram

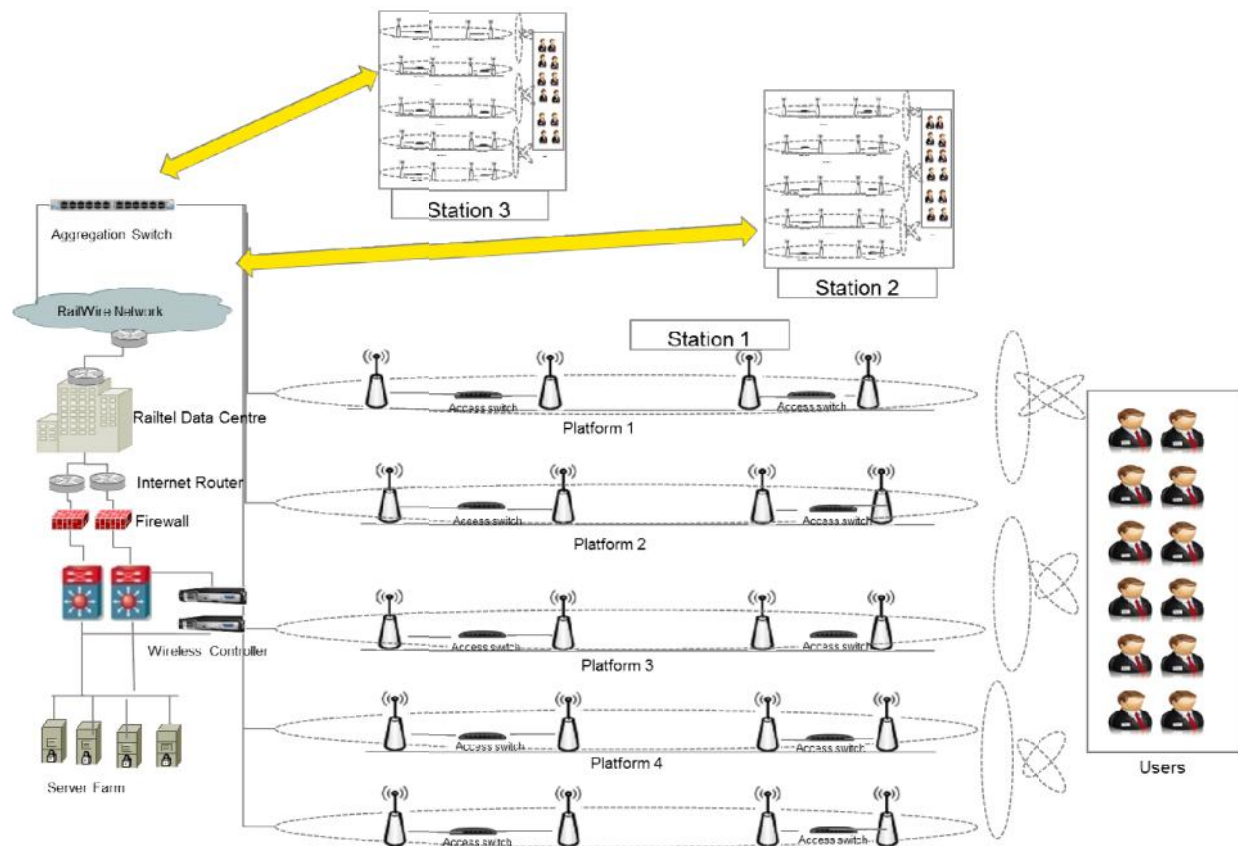


Figure 1

The access points are categorized into 2 categories which shall be supplied by the empanelled MWSP. The Access points are in combination of both indoor and outdoor units. The implementation of these access-points shall be carried out basis of the feasibility of the access-points at railway stations

Sr No	Category	Access point Type
1	Category 1	Entry Level Access Point for Indoor Installation
2	Category 2	Entry Level Access Point for Outdoor Installation

6 Scope of Services

Broad Scope of work of the bidders are as follows:

1. Supply, installation, operation and maintenance of IT /Telecom /Networking/ Peripheral hardware/ software products for providing 24x7 Wi-Fi services. RailTel shall provide MWSP with Point of Presence (PoP) and switch at each railway station.
2. Solution proposed should be managed using a central session & service controller.
3. MWSP system shall be integrated to Railtel Centralised Billing Solution (CBS) with MWSP billing solution.
4. Managed Service Provider (MWSP) shall be responsible for:
 - a. Provide secure Wi-Fi internet access and back-end services as per committed SLAs
 - b. Manage Operations and Maintenance (O&M) at the Wi-Fi locations.
 - c. Compliance to all mandatory government regulations
 - d. Access Network Architecture
 - i. MWSP shall be responsible for the planning and design of the access network architecture (access controllers, backhaul connectivity, routers, switches etc) to meet the technical, capacity and service requirements.
 - ii. MWSP shall plan for high availability, reliability and redundancy of the access network elements as per requirements stated in the SLA.
 - e. Wi-Fi Locations (Railway Stations and other locations across India)
 - i. MWSP shall be responsible for design and RF planning for the determination of Access Point locations.
 - ii. Commissioning & deployment of the hotspot solution
 - a. MWSP shall be responsible for installation of Access Points and related equipment at hotspot location
 - b. MWSP shall be responsible to for backhaul connectivity provisioning using RailTel network and related equipment at locations
 - c. MWSP shall be responsible for getting necessary permission, approvals and space for installation of equipment and cabling at the location
 - d. MWSP shall be responsible for providing and executing Cabling, testing etc.

- e. MWSP shall be responsible for design and engineering of all the network components to meet capacity requirements
 - i. Network shall be designed keeping in view the peak load conditions.
- f. Equipment and network upgrades, support and maintenance
 - i. MWSP shall provide local support at each station for repair and maintenance of all equipment, cabling and connectivity provided at the hotspot locations
 - ii. MWSP shall be responsible for periodic updates of all equipment, cabling and connectivity provided at the hotspot locations.
- g. Cost of all the installation material shall be borne by the MWSP as a part of installation & commissioning charges.
- h. RailTel will coordinate with station authorities to provide necessary security as provided for similar valued assets in the Railway station. MWSP at its discretion may take necessary steps like insurance, for all the equipments. Railtel will not be responsible for partner's equipment installed in any way.
- i. Set up Wi-Fi Hotspots across locations proposed in phased manner.
- j. Procurement, plan, design, installation and support of all end point equipments (IT and non IT) required to set up Wi Fi Hotpots.
- k. Carrying all IT and non IT work required at the end points including identification of space etc required to set up the network.
- l. Set up and management of NOC for handling queries of the users from the Zone allocated to the MWSP.
- m. Taking/Extending Connectivity from RailTel's Location (Point of Presence at each platform) upto the proposed Wi-Fi site.
- n. Development and implementation of billing and accounting software for e-recharge and accounting for the service revenue and integration with Railtel's Centralised Billing Solution (CBS).
- o. Development of marketing plan and carrying out marketing activities to promote the services.
- p. Adequate Security mechanisms shall be provided in the Wi-Fi service equipment so as to prevent unauthorized access or interfaces to services, calls, protocols and data.

7 Technical Specifications

- 7.1 **The bidders may use any of the Access Points and controllers from OEMs such as Ruckus, Ericsson, Cisco and Aruba.**
- 7.2 **Category 1 - Entry Level Access Point for Indoor Installation**

Reference	Parameters	Technical specification
CT1HW1	Hardware	Must have a robust design for durability, without visible vents
CT1HW2	Hardware	Must include dual band antennas to support both the 2.4GHz and 5GHz operations simultaneously from single antenna.
CT1HW3	Hardware	Mounting kit should be standard which shall be used for mounting access point
CT1HW4	Hardware	Access point shall support pole, wall, and roof mounting options.
CT1HW4	Hardware	Access Points proposed must include radios for both 2.4 GHz and 5 GHz.
CT1WS1	Wireless Standard	Must support 2X2 multiple-input multiple-output (MIMO) with TWO spatial streams
CT1WS2	Wireless Standard	Must support simultaneous 802.11n or better on both the 2.4 GHz and 5 GHz radios.
CT1WS3	Wireless Standard	Must support data rates minimum 300Mbps on 5Ghz radio and 144mbps on 2.4Ghz radio.
CT1WS4	Wireless Standard	Must support 40 MHz wide channels in 5 GHz and 20 MHz wide channel in 20 GHz
CT1WS5	Wireless Standard	Must support upto 20 dbm of transmit power in both 2.4Ghz and 5Ghz radios.
CT1RF1	RF	The Wireless AP should support technology to improve downlink performance
CT1RF2	RF	The AP shall be able to load-balance between 2.4Ghz and 5Ghz band.
CT1RF3	RF	Must incorporate radio resource management for power, channel, no grey areas and performance optimization
CT1RF4	RF	Must have -90 to -100 dB or better Receiver Sensitivity.
CT1M1	MESH	The Wireless Backhaul shall operate in 5Ghz
CT1M2	MESH	Support Encrypted and authenticated connectivity between all backhaul components
CT1M3	MESH	Access point shall have wired uplink interfaces like 10/100/1000BASE-T Ethernet
CT1M4	MESH	Mesh should support QoS for voice over wireless.
CT1R1	Roaming	Must support Key Caching methods for Fast Secure Roaming or equivalent as per 802.11r standard
CT1S1	Security	shall support 802.11w standard for communication between AP and controller
CT1S2	Security	Should support locally-significant certificates on the APs using a Public Key Infrastructure (PKI).

CT1S3	Security	Shall support Wireless IPS to filter malicious traffic
CT1E1	Encryption	Access Points must support a distributed encryption/decryption model.
CT1E2	Encryption	Access Points must support hardware or software based encryption
CT1M1	Monitoring	Must support the ability to serve clients and monitor the RF environment concurrently.
CT1F2	Flexibility	Must support 4 WLANs per AP for SSID deployment flexibility.
CT1O1	Operational	Must support telnet or SSH or console login to APs directly for troubleshooting flexibility.
CT1O2	Operational	Must support locking option for Theft Protection or equivalent feature
CT1O3	Operational	Proposed access point shall support MDO(Mobile Data offload)
CT1P1	Power:	Must support Power over Ethernet(802.3af)
CT1Q1	Quality of Service	shall have the support of 802.11e and WMM
CT1Q2	Quality of Service	Must support Reliable Multicast Video to maintain video quality
CT1Q3	Quality of Service	Must support QoS to prioritize video ,voice and Data traffic
CT1C1	Certifications and standard	The quoted wireless Access point should be WPC – ETA approved.

7.3 Category 2 - Entry Level Access Point for Outdoor Installation

Reference	Parameters	Technical specification
CT2HW1	Hardware	Must have a robust design for durability, without visible vents
CT2HW2	Hardware	Must include dual band antennas to support both the 2.4GHz and 5GHz operations simultaneously from single antenna.
CT2HW3	Hardware	Mounting kit should be standard which shall be used for mounting access point
CT2HW4	Hardware	Access point shall support pole, wall, and roof mounting options.
CT2HW5	Hardware	Access Points proposed must include radios for both 2.4 GHz and 5 GHz.

Reference	Parameters	Technical specification
CT2WS1	Wireless Standard	Must support 2X2 multiple-input multiple-output (MIMO) with TWO spatial streams
CT2WS2	Wireless Standard	Must support simultaneous 802.11n on both the 2.4 GHz and 5 GHz radios.
CT2WS3	Wireless Standard	Must support data rates unto 300Mbps on 5Ghz radio and 144mbps on 2.4Ghz radio.
CT2WS4	Wireless Standard	Must support 40 MHz wide channels in 5 GHz and 20 MHz wide channel in 20 GHz
CT2WS5	Wireless Standard	Must support upto 20 dbm of transmit power in both 2.4Ghz and 5Ghz radios.
CT2RF1	RF	The Wireless AP should support technology to improve downlink performance
CT2RF2	RF	The AP shall be able to load-balance between 2.4Ghz and 5Ghz band.
CT2RF3	RF	Must incorporate radio resource management for power, channel, no grey areas and performance optimization
CT2RF4	RF	Must have -90 to -100 dB or better Receiver Sensitivity.
CT2M1	MESH	The Wireless Backhaul shall operate in 5Ghz
CT2M2	MESH	Support Encrypted and authenticated connectivity between all backhaul components
CT2M3	MESH	Access point shall have wired uplink interfaces like 10/100/1000BASE-T Ethernet
CT2M4	MESH	Mesh should support QoS for voice over wireless.
CT2R1	Roaming	Must support Key Caching methods for Fast Secure Roaming or equivalent 802.11r
CT2S1	Security	shall support 802.11w standard for communication between AP and controller
CT2S2	Security	Should support locally-significant certificates on the APs using a Public Key Infrastructure (PKI).
CT2S3	Security	Provision of Wireless IPS to filter malicious traffic
CT2E1	Encryption	Access Points must support a distributed encryption/decryption model.
CT2E2	Encryption	Access Points must support hardware or software based encryption
CT2M1	Monitoring	Must support the ability to serve clients and monitor the RF environment concurrently.

Reference	Parameters	Technical specification
CT2F2	Flexibility	Must support 4 WLANs per AP for SSID deployment flexibility.
CT2O1	Operational	Must support telnet or SSH or console login to APs directly for troubleshooting flexibility.
CT2O2	Operational	Must support locking option for Theft Protection or equivalent
CT2O3	Operational	Proposed access point shall support MDO(Mobile Data offload)
CT2P1	Power:	Must support Power over Ethernet(802.3af)
CT2Q1	Quality of Service	shall have the support of 802.11e and WMM
CT2Q2	Quality of Service	Must support Reliable Multicast Video to maintain video quality
CT2Q3	Quality of Service	Must support QoS to prioritize video ,voice and Data traffic
CT2C1	Certifications and standard	The quoted wireless Access point should be WPC – ETA approved.
CT2EES2	Environmental and Electrical Specifications	Geographic orientation flexibility – tilt angle for pole, wall, and roof mounting units
CT2EES3	Environmental and Electrical Specifications	The equipment shall support up to 100 MPH sustained winds & 165 MPH wind gusts.
CT2EES4	Environmental and Electrical Specifications	The Access point shall be IP67 certified.
CT2EES5	Environmental and Electrical Specifications	The Access point shall be rated for operation over an ambient temperature range of-22 F (-30 C) to +140 F (+ 55 degree Celsius).

7.4 Wireless Controllers

Reference	Parameters	Technical specification
WCSTW1	Standards	Must be compliant with IEEE CAPWAP or equivalent for controller-based WLANs.
WCSTW2	Standards	Controller must have at least 4 x 10Gbps of uplink interfaces.
WCSTW3	Standards	Controller should support minimum 2000 access points and must be scalable to accommodate atleast5000 access points
WCSTW4	Standards	WLAN controller shall support Mobile data offload as a feature
WCC1	Compatibility	Controller shall support wireless IPS feature

Reference	Parameters	Technical specification
WCHA2	High Availability	Must have feature for stateful recovery without re-authentication of the client in the event of LAN and WLAN infrastructure disruption to deliver a non-stop client session
WCHA3	High Availability	wireless controller shall support Redundant power supply
WCRF1	RF Management	Must support an ability to dynamically adjust channel and power settings based on the RF environment.
WCRF2	RF Management	Radio coverage algorithm must allow adjacent APs to operate on different channels, in order to maximize available bandwidth and avoid interference
WCRF3	RF Management	Must have Automatic 802.11 interference detection, identification, classification, and mitigation.
WCRF4	RF Management	Must support coverage hole detection and correction that can be adjusted as per WLAN basis.
WCRF5	RF Management	Must support RF Management with 20/40/80 MHz channels with 802.11a/b/g/n/ac
WCIP1	IPv6 features	WLC should support L2 and L3 roaming of IPv6 clients
WCIP2	IPv6 features	WLC should support IPv6 access control lists
WCIP3	IPv6 features	WLC should support Guest-access functionality for IPv6 clients
WCP1	Performance:	Controller performance must remain the same if encryption is on or off for wireless SSIDs.
WCP2	Performance:	Should support ability to adjust Delivery Traffic Indicator Message (DTIM) or equivalent on a per WLAN basis to improve performance for latency sensitive applications
WCS1	Security:	Should adhere to the strictest level of security standards, including 802.11i Wi-Fi Protected Access 2 (WPA2), WPA, Wired Equivalent Privacy (WEP), 802.1X with multiple Extensible Authentication Protocol (EAP) types, including Protected EAP (PEAP), EAP with Transport Layer Security (EAP-TLS), EAP with Tunnelled TLS (EAP-TTLS)
WCS2	Security:	Should support Management frame protection for the authentication of 802.11 management frames by the wireless network infrastructure.
WCS3	Security:	The Controller should support a capability to shun / block WLAN client in collaboration with wired IPS on detecting malicious client traffic.

Reference	Parameters	Technical specification
WCS4	Security:	Controller should have rogue AP detection, classification and automatic containment feature
WCS5	Security:	Controller should be able to detect attacks like Broadcast deauthentication, NULL probe, from day one for all access points
WCS6	Security:	Controller should have profiling of devices based on protocols like HTTP, DHCP and more to identify the end devices on the network
WCF1	Functionality	Must be able to set a maximum per-user bandwidth limit on a per-SSID basis.
WCF2	Functionality	Must support user load balancing across Access Points.
WCF3	Functionality	Controller must provide Mesh capability for Mesh supported AP.
WCM1	Monitoring	Must be able to dedicate APs to monitor-only for Intrusion Prevention Services.
WCR1	Roaming:	Must support client roaming across controllers separated by a layer 3 routed boundary.
WCR2	Roaming:	Solution proposed must support clients roaming across at least 500 APs.
WCO1	Operational:	Must support AP over-the-air packet capture for export to a tool such as Wire shark.
WCO2	Operational:	Should be able to classify different types of interference within 5 to 30 seconds.
WCO3	Operational:	Should provide a snapshot of air quality in terms of the performance and impact of interference on the wireless network identifying the problem areas.
WCO4	Operational:	Should provide an Air Quality rating on a per- radio basis to help gauge the impact of interference on the network
WCO5	Operational:	Should provide real-time charts showing interferers per access point, on a per-radio, per-channel basis.
WCO6	Operational:	Should support encrypted mechanism to securely upload/download software images to and from wireless controllers
WCQ1	QOS:	Must support 802.11e (WMM)
WCQ2	QOS:	Shall able to prioritize all traffic such as (Data ,voice and video)
WCQ3	QOS:	Controller shall integrate with existing firewall or DPI device for deep packet inspection
WCQ4	QOS:	Should have rate limiting per user and per SSID basis for encrypted tunnel mode

Reference	Parameters	Technical specification
WCQ5	QOS:	To deliver optimal bandwidth usage, reliable multicast must use single session between AP and Wireless Controller.

8 List of Railway Stations to be covered under the project

Sr. No.	Name of Station	Railway	Stn Code	Division	State
1	Araku	ECOR	ARK	WAT	Andhra Pradesh
2	Bobbili	ECOR	VLB	WAT	Andhra Pradesh
3	Borraguhalu	ECOR	BGHU	WAT	Andhra Pradesh
4	Duvvada	ECOR	DVD	WAT	Andhra Pradesh
5	Ichchhapuram	ECOR	IPM	KUR	Andhra Pradesh
6	Simhachalam	ECOR	SCM	WAT	Andhra Pradesh
7	Sompeta	ECOR	SPT	KUR	Andhra Pradesh
8	ADONI	SCR	AD	GTL	Andhra Pradesh
9	ANNAVARAM	SCR	ANV	BZA	Andhra Pradesh
10	BAPATLA	SCR	BPP	BZA	Andhra Pradesh
11	BHIMAVARAM JN.	SCR	BVRM	BZA	Andhra Pradesh
12	CHITTOOR	SCR	CTO	GTL	Andhra Pradesh
13	DHARMAVARAM	SCR	DMM	GTL	Andhra Pradesh
14	DHONE	SCR	DHNE	GTL	Andhra Pradesh
15	GOOTY JN.	SCR	GY	GTL	Andhra Pradesh
16	GUDIVADA JN.	SCR	GDV	BZA	Andhra Pradesh
17	KAKINADA PORT	SCR	COA	BZA	Andhra Pradesh
18	KAVALI	SCR	KVZ	BZA	Andhra Pradesh
19	MACHILIPATNAM	SCR	MTM	BZA	Andhra Pradesh
20	MANTRALAYAM ROAD	SCR	MALM	GTL	Andhra Pradesh
21	NANDYAL	SCR	NDL	GNT	Andhra Pradesh
22	NARASAPUR	SCR	NS	BZA	Andhra Pradesh
23	NIDADAVOLU JN.	SCR	NDD	BZA	Andhra Pradesh
24	PALAKOLLU	SCR	PKO	BZA	Andhra Pradesh
25	SINGARAYAKONDA	SCR	SKM	BZA	Andhra Pradesh
26	SRI KHALASTHI	SCR	KHT	GTL	Andhra Pradesh
27	TANUKU	SCR	TNKH	BZA	Andhra Pradesh
28	YERRAGUNTALA	SCR	YA	GTL	Andhra Pradesh
29	Hindupur	SWR	HUP	SBC	Andhra Pradesh
30	Dibrugarh	NFR	DBRG	TSK	Assam
31	DIPHU	NFR	DPU	LMG	Assam
32	HAIBORGAON	NFR	HBN	LMG	Assam
33	HOJAI	NFR	HJI	LMG	Assam
34	Kokrajhar	NFR	KOJ	APDJ	Assam
35	Mariani	NFR	MXN	TSK	Assam

Sr. No.	Name of Station	Railway	Stn Code	Division	State
36	New Bongaigaon	NFR	NBQ	RNY	ASSAM
37	New Tinsukia	NFR	NTSK	TSK	Assam
38	Tezpur	NFR	TZTB	RNY	ASSAM
39	Bagaha	ECR	BUG	SPJ	Bihar
40	Barh	ECR	BARH	DNR	Bihar
41	Begusarai	ECR	BGS	SEE	Bihar
42	Bhabhua Road	ECR	BBU	MGS	Bihar
43	Biharsharif	ECR	BEHS	DNR	Bihar
44	Chakia	ECR	CAA	SPJ	Bihar
45	Dalsinghsarai	ECR	DSS	SEE	Bihar
46	Dumraon	ECR	DURE	DNR	Bihar
47	Hathidah	ECR	HTZ	DNR	Bihar
48	Jhajha	ECR	JAJ	DNR	Bihar
49	Luckeesarai	ECR	LKR	DNR	Bihar
50	Mansi Jn.	ECR	MNE	SEE	Bihar
51	Naugachia	ECR	NNA	SEE	Bihar
52	Rajgir	ECR	RGD	DNR	Bihar
53	Sakari Jn.	ECR	SKI	SPJ	Bihar
54	Sitamarhi	ECR	SMI	SPJ	Bihar
55	Sonepur	ECR	SEE	SEE	Bihar
56	Mairwa	NER	MW	Varanasi	Bihar
57	Araria Court	NFR	ARQ	KIR	Bihar
58	Barsoi Jn.	NFR	BOE	KIR	Bihar
59	Forbesganj	NFR	FBG	KIR	Bihar
60	KAHAL GAON	ER	CLG	MLDT	Bihar
61	SULTANGANJ	ER	SGG	MLDT	Bihar
62	Jagdalpur	ECOR	JDB	WAT	Chhattisgarh
63	Akaltara	SECR	AKT	BSP	Chhattisgarh
64	Ambikapur	SECR	ABKP	BSP	Chhattisgarh
65	Bhatapara	SECR	BYT	R	Chhattisgarh
66	Dongargarh	SECR	DGG	NGP	Chhattisgarh
67	Korba	SECR	KRBA	BSP	Chhattisgarh
68	Pendra Road *	SECR	PND	BSP	Chhattisgarh
69	Tilda	SECR	TLD	R	Chhattisgarh
70	NANGLOI	NR	NNO	DLI	Delhi
71	SHAKURBASTI	NR	SSB	DLI	Delhi
72	SUBZI MANDI	NR	SZM	DLI	Delhi
73	Bhauchau	WR	BCO	Ahmedabad	Gujarat

Sr. No.	Name of Station	Railway	Stn Code	Division	State
74	Bilmora	WR	BIM	Mumbai Central	Gujarat
75	Botad	WR	BTD	Bhavnagar	Gujarat
76	Dahod	WR	DHD	Ratlam	Gujarat
77	Dwarka	WR	DWK	Rajkot	Gujarat
78	Godhara	WR	GDA	Vadodara	Gujarat
79	Gondal	WR	GDL	Bhavnagar	Gujarat
80	Hapa	WR	HAPA	Rajkot	Gujarat
81	Junagarh	WR	JND	Bhavnagar	Gujarat
82	Okha	WR	OKHA	Rajkot	Gujarat
83	Porbandar	WR	PBR	Bhavnagar	Gujarat
84	Udvada	WR	UVD	Mumbai Central	Gujarat
85	Wankaner	WR	WKR	Rajkot	Gujarat
86	BAHADURGARH	NR	BGZ	DLI	Haryana
87	FARIDABAD TOWN	NR	FDN	DLI	Haryana
88	JIND	NR	JHI	DLI	Haryana
89	KURUKSHETRA	NR	KKDE	DLI	Haryana
90	PALWAL	NR	PWL	DLI	Haryana
91	Sirsa	NWR	SSA	Bikaner	Haryana
92	Una Himachal	NR	UHL	UMB	Himachal Pradesh
93	Kathua	NR	KTHU	FZR	Jammu & Kashmir
94	Barka Kana Jn.	ECR	BRKA	DHN	Jharkhand
95	Chandra Pura Jn.	ECR	CRP	DHN	Jharkhand
96	Garwa Road Jn.	ECR	GHD	DHN	Jharkhand
97	BARHARWA	ER	BHW	MLDT	Jharkhand
98	CHITTARANJAN	ER	CRJ	ASN	Jharkhand
99	Pakur	ER	PKR	HWH	Jharkhand
100	SAHIBGANJ	ER	SBG	MLDT	Jharkhand
101	Chakradharpur	SER	CKP	CKP	Jharkhand
102	Wadi	CR	WADI	SUR	Karnataka
103	Arsikere	SWR	ASK	MYS	Karnataka
104	Bagalkot	SWR	BGK	UBL	Karnataka
105	Banaswadi	SWR	BAND	SBC	Karnataka
106	Bhadravathi	SWR	BDVT	MYS	Karnataka
107	Birur	SWR	RRB	MYS	Karnataka
108	Gadag	SWR	GDG	UBL	Karnataka
109	Harihar	SWR	HRR	MYS	Karnataka
110	Hassan **	SWR	HAS	MYS	Karnataka
111	Haveri	SWR	HVR	MYS	Karnataka

Sr. No.	Name of Station	Railway	Stn Code	Division	State
112	Koppal	SWR	KBL	UBL	Karnataka
113	Londa **	SWR	LD	UBL	Karnataka
114	Mandya	SWR	MYA	SBC	Karnataka
115	Tornagallu	SWR	TNGL	UBL	Karnataka
116	Tumkur	SWR	TK	SBC	Karnataka
117	Yelahanka	SWR	YNK	SBC	Karnataka
118	BIDAR	SCR	BIDR	SC	Karnataka
119	Changanacheri	SR	CGY	TVC	KL
120	Guruvayur	SR	GUV	TVC	KL
121	Kochuveli	SR	KCVL	TVC	KL
122	Kuttipuram	SR	KTU	PGT	KL
123	Ottappalam	SR	OTP	PGT	KL
124	Quilandi	SR	QLD	PGT	KL
125	Varkalashivagiri	SR	VAK	TVC	KL
126	Dewas	WR	DWX	Ratlam	Madhya Pradesh
127	Mandsaur	WR	MDS	Ratlam	Madhya Pradesh
128	Mhow	WR	MHW	Ratlam	Madhya Pradesh
129	Nimach	WR	NMH	Ratlam	Madhya Pradesh
130	AnuppurJn	SECR	APR	BSP	Madhya Pradesh
131	Chhindwara	SECR	CWA	NGP	Madhya Pradesh
132	Shahdol	SECR	SDL	BSP	Madhya Pradesh
133	Umaria *	SECR	UMR	BSP	Madhya Pradesh
134	Devlali	CR	DVL	BSL	Maharashtra
135	Dhamangaon	CR	DMN	NGP	Maharashtra
136	Hotgi	CR	HG	SUR	Maharashtra
137	Igatpuri	CR	IGP	BB	Maharashtra
138	Karad	CR	KRD	PA	Maharashtra
139	Malkapur	CR	MKU	BSL	Maharashtra
140	Matheran\$	CR	MAE	BB	Maharashtra
141	Murtizapur	CR	MZR	BSL	Maharashtra
142	Pachora	CR	PC	BSL	Maharashtra
143	Pandharpur	CR	PVR	SUR	Maharashtra
144	Sangli	CR	SLI	PA	Maharashtra
145	Satara	CR	STR	PA	Maharashtra
146	Sewagram	CR	SEGM	NGP	Maharashtra
147	Nandurbar	WR	NDB	Mumbai Central	Maharashtra
148	MUDKHED JN.	SCR	MUE	NED	Maharashtra
149	PARLI VAIJNATH	SCR	PRLI	SC	Maharashtra

Sr. No.	Name of Station	Railway	Stn Code	Division	State
150	PURNA	SCR	PAU	NED	Maharashtra
151	Chandafort *	SECR	CAF	NGP	Maharashtra
152	Itwari	SECR	ITR	NGP	Maharashtra
153	Ramtek *	SECR	RTK	NGP	Maharashtra
154	Dabra	NCR	DBA	JHS	MP
155	Datia	NCR	DAA	JHS	MP
156	Khajuraho	NCR	KURJ	JHS	MP
157	GADARWARA	WCR	GAR	JBP	MP
158	GANJBASODA	WCR	BAQ	BPL	MP
159	Guna	WCR	GUNA	BPL	MP
160	HARDA	WCR	HD	BPL	MP
161	KATNI MURWARA	WCR	KMZ	JBP	MP
162	MADANMAHAL	WCR	MML	JBP	MP
163	NURSINGHPUR	WCR	NU	JBP	MP
164	SANCHI	WCR	SCI	BPL	MP
165	SHIVPURI	WCR	SVPI	BPL	MP
166	Angul	ECOR	ANGL	KUR	Odisha
167	Balangir	ECOR	BLGR	SBP	Odisha
168	Balugaon	ECOR	BALU	KUR	Odisha
169	Bargarh Road	ECOR	BRGA	SBP	Odisha
170	Bhusandpur	ECOR	BSDP	KUR	Odisha
171	Chatrapur	ECOR	CAP	KUR	Odisha
172	Chilka	ECOR	CLKA	KUR	Odisha
173	Damajodi	ECOR	DMNJ	WAT	Odisha
174	Dhanmandal	ECOR	DNM	KUR	Odisha
175	Dhenkanal	ECOR	DNKL	KUR	Odisha
176	Gorakhnath	ECOR	GRKN	KUR	Odisha
177	Harichandanpur	ECOR	HCNR	KUR	Odisha
178	Harisankar Road	ECOR	HSK	SBP	Odisha
179	Jeypore	ECOR	JYP	WAT	Odisha
180	Kaluparaghat	ECOR	KAPG	KUR	Odisha
181	Kantabanji	ECOR	KBJ	SBP	Odisha
182	Kendujhargarh	ECOR	KDJR	KUR	Odisha
183	Kesinga	ECOR	KSNG	SBP	Odisha
184	Khallikota	ECOR	KIT	KUR	Odisha
185	Koraput	ECOR	KRPU	WAT	Odisha
186	Nawapara Road	ECOR	NPD	SBP	Odisha
187	Nirakarpur	ECOR	NKP	KUR	Odisha

Sr. No.	Name of Station	Railway	Stn Code	Division	State
188	Paradeep	ECoR	PRDP	KUR	Odisha
189	Sakhigopal	ECoR	SIL	KUR	Odisha
190	Talcher	ECoR	TLHR	KUR	Odisha
191	Titlagarh JN.	ECoR	TIG	SBP	Odisha
192	Puducherry	SR	PDY	TPJ	PC
193	Abohar Jn.	NR	ABS	UMB	Punjab
194	Faridkot	NR	FDK	FZR	Punjab
195	Phillaur	NR	PHR	FZR	Punjab
196	Dholpur	NCR	DHO	JHS	RAJ
197	BHAWANI MANDI	WCR	BWM	KOTA	RAJ
198	BUNDI	WCR	BUDI	KOTA	RAJ
199	GANGAPUR CITY	WCR	GGC	KOTA	RAJ
200	HINDAUN CITY	WCR	HAN	KOTA	RAJ
201	RAMGANJ MANDI	WCR	RMA	KOTA	RAJ
202	Balotra	NWR	BLT	Jodhpur	Rajasthan
203	Beawar	NWR	BER	Ajmer	Rajasthan
204	Dausa	NWR	DO	Jaipur	Rajasthan
205	Jawaibandh	NWR	JWB	Ajmer	Rajasthan
206	Kishangarh	NWR	KSG	Jaipur	Rajasthan
207	Makrana	NWR	MKN	Jodhpur	Rajasthan
208	Mavli Jn.	NWR	MVJ	Ajmer	Rajasthan
209	Merta Road	NWR	MTD	Jodhpur	Rajasthan
210	Nokha	NWR	NOK	Jodhpur	Rajasthan
211	Rai KaBagh Palace Jn	NWR	RKB	Jodhpur	Rajasthan
212	Sikar	NWR	SIKR	Jaipur	Rajasthan
213	Hosur	SWR	HSRA	SBC	Tamilnadu
214	ADILABAD	SCR	ADB	NED	Telangana
215	BASAR	SCR	BSX	HYB	Telangana
216	BEGUMPET	SCR	BMT	SC	Telangana
217	BHADRACHALAM ROAD	SCR	BDCR	SC	Telangana
218	KAMAREDDI	SCR	KMC	HYB	Telangana
219	LINGAMPALLI	SCR	LPI	SC	Telangana
220	MAHABOONNAGAR	SCR	MBNR	HYB	Telangana
221	MAHBUBABAD	SCR	MABD	SC	Telangana
222	NALGONDA	SCR	NLDA	GNT	Telangana
223	RAMAGUNDAM	SCR	RDM	SC	Telangana
224	SIRPUR KAGHAZNAGAR	SCR	SKZR	SC	Telangana
225	TANDUR	SCR	TDU	SC	Telangana

Sr. No.	Name of Station	Railway	Stn Code	Division	State
226	VIKARABAD JN.	SCR	VKB	SC	Telangana
227	Ambur	SR	AB	MAS	TN
228	Ariyalur	SR	ALU	TPJ	TN
229	Karaikkudijn	SR	KKDI	MDU	TN
230	Kulitturai	SR	KZT	TVC	TN
231	Mambalam	SR	MBM	MAS	TN
232	Melmaruvathur	SR	MLMR	MAS	TN
233	Nagappattinam	SR	NGT	TPJ	TN
234	Paramakkudi	SR	PMK	MDU	TN
235	Perambur	SR	PER	MAS	TN
236	Rajapalaiyam	SR	RJPM	MDU	TN
237	Ramanathapuram	SR	RMD	MDU	TN
238	Sattur	SR	SRT	MDU	TN
239	Sengottai	SR	SCT	MDU	TN
240	Tenkasi	SR	TSI	MDU	TN
241	Tiruttani	SR	TRT	MAS	TN
242	Tiruvallur	SR	TRL	MAS	TN
243	Vriddhachalamjn.	SR	VRI	TPJ	TN
244	AGARTALA	NFR	AGTL	LMG	Tripura
245	Atarra	NCR	ATE	JHS	UP
246	Babina	NCR	BAB	JHS	UP
247	Firozabad	NCR	FZD	ALD	UP
248	Manikpur	NCR	MKP	JHS	UP
249	Shikohabad	NCR	SKB	ALD	UP
250	Vindhyachal	NCR	BDL	ALD	UP
251	Aishbagh	NER	ASH	Lucknow	UP
252	Badshahnagar	NER	BNZ	Lucknow	UP
253	Bareilly City	NER	BC	Izzatnagar	UP
254	Bhatni Jn.	NER	BTT	Varanasi	UP
255	Farrukhabad Jn.	NER	FBD	Izzatnagar	UP
256	Fatehgarh	NER	FGR	Izzatnagar	UP
257	Ghazipur City	NER	GCT	Varanasi	UP
258	Kannauj	NER	KJN	Izzatnagar	UP
259	Kanpur (Anwarganj)	NER	CPA	Lucknow	UP
260	Kasganj Jn.	NER	KSJ	Izzatnagar	UP
261	Khorasan Road	NER	KRND	Varanasi	UP
262	Lakhimpur	NER	LMP	Lucknow	UP
263	Manduadih	NER	MUV	Varanasi	UP

Sr. No.	Name of Station	Railway	Stn Code	Division	State
264	Mankapur Jn.	NER	MUR	Lucknow	UP
265	Pilibhit Jn.	NER	PBE	Izzatnagar	UP
266	Salempur Jn.	NER	SRU	Varanasi	UP
267	Sitapur	NER	STP	Lucknow	UP
268	Suraimanpur	NER	SIP	Varanasi	UP
269	Chopan	ECR	CPU	DHN	Uttar Pradesh
270	Dildarnagar Jn.	ECR	DLN	DNR	Uttar Pradesh
271	Renukut	ECR	RNQ	DHN	Uttar Pradesh
272	Amethi	NR	AME	LKO	Uttar Pradesh
273	Amroha	NR	AMRO	MB	Uttar Pradesh
274	DEOBAND	NR	DBD	DLI	Uttar Pradesh
275	Jaunpur City	NR	JOP	LKO	Uttar Pradesh
276	Laksar	NR	LRJ	MB	Uttar Pradesh
277	Nazibabad	NR	NBD	MB	Uttar Pradesh
278	NihalGarh	NR	NHH	LKO	Uttar Pradesh
279	PhulPur	NR	PLP	LKO	Uttar Pradesh
280	Pryag	NR	PRG	LKO	Uttar Pradesh
281	SAHIBABAD	NR	SBB	DLI	Uttar Pradesh
282	Haldwani	NER	HDW	Izzatnagar	Uttarakhand
283	Kashipur Jn.	NER	KPV	Izzatnagar	Uttarakhand
284	Lalkuan	NER	LKU	Izzatnagar	Uttarakhand
285	Raiwala	NR	RWL	MB	Uttranchal
286	Rishikesh	NR	RKSH	MB	Uttranchal
287	BERHAMPUR COURT	ER	BPC	SDAH	West Bengal
288	Bolpur	ER	BHP	HWH	West Bengal
289	PANAGARH	ER	PAN	ASN	West Bengal
290	RANIGANJ	ER	RNG	ASN	West Bengal
291	Aluabari Road	NFR	AUB	KIR	West Bengal
292	Dalkhola	NFR	DLK	KIR	West Bengal
293	Dhupguri	NFR	DQG	APDJ	West Bengal
294	Dinhata	NFR	DHH	APDJ	West Bengal
295	Hasimara	NFR	HSA	APDJ	West Bengal
296	Jalpaiguri	NFR	JPG	KIR	West Bengal
297	New Mal Jn.	NFR	NMZ	APDJ	West Bengal
298	Samsi	NFR	SM	KIR	West Bengal
299	Adra	SER	ADRA	ADA	West Bengal
300	Bankura	SER	BQA	ADA	West Bengal
301	Midnapur	SER	MDN	KGP	West Bengal

Sr. No.	Name of Station	Railway	Stn Code	Division	State
302	Purulia	SER	PRR	ADA	West Bengal