Government of India (Bharat Sarkar)
Ministry of Railways (Rail Mantralaya)
(Railway Board)

No. 2005/C&IS/Rly. Data Channel/Pt. New Delhi, dated 21.9.2007

1. Chief Commercial Managers / All Indian Railways.
2. MD/CRIS, Chanakyapuri, New Delhi – 110021.
3. CAO/FOIS, CRIS Campus, Chanakyapuri, New Delhi – 110021.

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Sub: Revised Agreement between Ministry of Railways & RCIL.

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An agreement has been signed between Ministry of Railways and RailTel Corpn. of India Ltd. regarding obligations of RailTel for provision of telecom services. In this regard First Revised Agreement has been signed and the same can be downloaded from www.indianrailways.gov.in for necessary information / guidance in the matter of telecom channel being utilized for various IT applications.

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(Chhatrasal Singh)
Director (C&IS)

FIRST

REVISED AGREEMENT

DATED

21.9.2006

BETWEEN

MINISTRY OF RAILWAYS

And

RAILTEL CORPORATION OF INDIA LIMITED

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SCHEDULE AND ANNEXURES

THIS FIRST REVISED AGREEMENT is made in pursuance of Clause 3.3 of the Agreement between the Ministry of Railways and RailTel Corporation of India Ltd. this 21st day of September, 2006 at New Delhi between ;

The President of India, acting through Additional Member (Planning), Railway Board, Ministry of Railways, hereinafter referred to as the "RAILWAYS" (which expression shall unless excluded by or repugnant to the subject or the context be deemed to include its successors-in-office, and assigns) of the One part ;

And

RailTel Corporation of India Limited, a company incorporated under the Companies Act, 1956, having its registered office at 10th floor, Bank of Baroda Building,16 Sansad Marg, New Delhi -11001hereinafter referred to as "RailTel"(which expression shall, unless excluded by or repugnant to the subject or the context, be deemed to include its successors, executors, administrators and legal representatives) through its Managing Director; of the Other part ;

RECITAL

A. RAILWAYS are desirous of expeditiously modernising their existing telecommunication system for their train control, operation and safety and of generating additional revenues by creating nationwide broadband and multimedia network by laying Optical Fiber Cable (OFC) along the Railway track utilising its right of way;

B. RAILWAYS have formed RailTel as a Government company under the Companies Act, 1956; and the aforesaid tasks are proposed to be entrusted to the said Company;

C. RAILWAYS agree to authorise RailTel to use its right of way for the limited purpose of establishing an Optical Fiber Network by laying cables, pipes etc as detailed hereinafter;

D RAILWAYS agree to transfer the Optical Fiber Cable assets and authorise RailTel to make use of land/buildings as detailed hereinafter.

NOW IT IS HEREBY AGREED AND DECLARED as follows -

1. **DEFINITIONS AND INTERPRETATION**

Definitions

1.1 In this Agreement, unless the context or subject otherwise requires, the following expressions shall have the following meanings:-

"Cable"	means underground cable and shall include copper, fiber or any other type of cable.
"**Copper Cable**"	means the quad copper cable to be laid in the same trench in which Optical Fibe Cable is laid;
"**Drawings**"	shall mean maps, drawings, plans and tracings or prints required for and maintenance of optical fiber cable system and shall include any modification and further drawings as may be issued from time to time, irrespective of whether the same is in physical, digital, electronic or any other form.
"E1"	means one 2 Mega Bit Per Second (MBPS) stream which can carry upto 30 channels.
"**End Users**"	means users of telecom services provided by RailTel ;
"Gross revenues"	means the total revenue earned from sale of telecom capacity by RailTel, excluding income from Railways, after deducting mandatory license fees.
"**Licence**"	means any telecommunication license

	required for the provision of telecommunication services to End Users of the Optical Fiber Network pursuant to the Indian Telegraph Act, 1885, as amended ;
"Long Haul Communication"	means communication channels provided to connect large distant points like 2 cities;
"Optical Fiber Cable Assets"	means and shall include optical fiber cable, equipments used for long haul communication & equipments used for short haul for connecting the way side stations from control office.
"Optical Fiber Network"	means the network providing telecom services utilising Railways' OFC assets and includes other assets used for telecommunication;
"Primary Multiplexers"	means the device used for deriving channels of 64 Kilo Bit Per Second (KBPS) from E1.
" Railways"	means "Railway" as defined in subsection 31 section 2 of the Indian Railways Act 1989 (Act No. 24 of 1989);
"Railway Equipment"	means telecommunication equipment, and other ancillary equipment connected to the Railways Network;
"Railway Land"	means all land within the fences or boundary marks indicating the limits of the land appurtenant to Railways;
"Railways Network"	means the circuits used for Railways' telecommunication needs and includes circuits to be established on optical fiber network and specifically allocated for Railways' communication;
"Short Haul Communication"	means communication channels provided to connect short distant points like 2 adjacent stations;
"Site"	shall mean the land, stations and other places along, under or through which the works are to be carried out and any other

	land or places provided by the RAILWAYS for the purpose of this Agreement.
"Statutory Requirements"	means all relevant statutes, bye-laws and regulations having force of law in India ;
"Term"	means the period commencing from the 30th day of July 2003 and, expiring after thirty (30) years or any other mutually agreed period or till RailTel remains a PSU of the Ministry of Railways, whichever is earlier;
"Telecommunications Facilities"	means transmission facilities, telecommunication equipment, drop/insert locations and all other ancillary telecommunications facilities of the Optical Fiber Network;
"Telecom Services"	means and shall include the services offered by RailTel under the terms of licenses granted to it by Ministry of Communications, Government of India including Infrastructure Providers- I & II and Internet Service Provider and /or any other services as may be offered in future under the license granted to it by Department of Telecommunication.
" Works"	shall mean all works of every kind required for the execution, commissioning, operation and maintenance of the Optical Fiber Network

Interpretation

1.2 In this Agreement unless the context otherwise requires:-

1.2.1 all references to Clauses, Sub-clauses, Paragraphs, or Schedules are to Clauses, Sub-clauses and Paragraphs of, and Schedules to, this Agreement which shall form an integral part of this Agreement;

1.2.2 the headings in this Agreement are for the purpose of convenience only and shall not affect the interpretation or construction of this Agreement;

1.2.3 references to statutory provisions shall be construed as references to those provisions as are respectively amended or re-enacted or modified by other provisions from time to time.

2. MUTUAL AGREEMENT

Consideration

2.1 In consideration of the mutual agreement and undertakings herein set out, the parties to this Agreement have granted the rights and accepted the obligations herein after appearing.

3. GRANT OF RIGHTS AND TRANSFER OF ASSETS

3.1 RAILWAYS hereby agree to

3.1.1 grant for the Term to RailTel an irrevocable and exclusive right to install, construct, own, operate, maintain and keep the Optical Fiber Network on, under or over (as appropriate) the Railway Land, together with, all required authority to use RAILWAYS' rights of way for laying cable, pipes etc. alongside, under, over or across the track, access, easements, quasi-easements and all other rights relating or incidental to the Optical Fiber Network free from all encumbrances subject to exceptions as provided in this Agreement and the right of RAILWAYS to establish its own telecommunications network pursuant to the Railways Act, 1989. However, Railways shall continue to have the right for granting permission for track crossing to other licensees.

3.1.2 transfer to RailTel the RAILWAYS' existing optical fiber cable assets as detailed in Annexures A, B & C and broadly consisting of Optical Fiber Cable with 20 fibers after retaining 4 fibers (2 pairs) for Railway use wherever 24 fiber OFC is existing and Optical Fiber Cable with 6 or 8 fibers after retaining 2 fibers (1 pair) wherever 8 or 10 fiber OFC is existing; and take back for its own use the ownership of 4 fibers and 2 fibers from the 24 fiber OFC and 8 or 10 fiber OFC respectively already transferred to RailTel as on date;

3.1.3 take ownership of 4 fibers (2 pairs) from the 24 fiber (or more) OFC asset of RailTel in which RailTel has incurred capital expenditure

3.1.4 take back ownership of short haul STM-1 and primary multiplexing equipment already transferred to RailTel as on date;

3.1.5 take ownership of short haul STM-1 and primary multiplexing equipments in which RailTel has made investment till date for creating short haul communication network;

3.1.6 grant RailTel the right to use by itself or by any third party permitted by it the surplus space in microwave and other buildings to install equipments, space in towers to mount antennae (subject to the design capacity) and to market surplus capacity in digital microwave links.

3.1.7 license the buildings / land required for installing OFC and power supply equipments for Network Operation Centre (NOC), data centres, access nodes, transport nodes, backbone nodes and long haul equipments and towers, to RailTel on payment of license fee charges at the prevalent standard rates. However, at stations, wherever RailTel will be providing equipments, including STM-4 long haul which are used for Railways critical applications such as PRS/UTS/FOIS/Control circuits/ Railnet etc., building / land required for installing OFC and power supply equipments shall be given to RailTel without any charges. The requirement of the land is given in Annexure D. Guidelines for Granting Right of Way & sparing land/building space and Construction of Towers by RailTel issued vide Railway Board's letter nos. O2/LML/13/12 dated 28/11/2005 & 5/5/2006 respectively would continue to be applicable, except provisions for revenue share on revenues earned by utilising / permitting surplus space in microwave buildings, space in towers and capacity in digital microwave links, which would now be governed by provisions in clause 3.2.1 hereinafter provided, till superceded by subsequent directives from Railway Board.

3.1.8 pay RailTel for investment done by them on 4 fibers of OFC cable at proportional cost (including financing cost, but with no mark up to RailTel), as a consideration for Clause 3.1.3 of this Agreement. Details of such sections are placed at Annexure C.

3.1.9 pay RailTel proportional maintenance charges for maintenance of 4 fibers or 2 fibers (as the case may be) retained /taken back / taken by railways as per Clauses 3.1.2

and 3.1.3 of this Agreement;

3.1.10 pay RailTel the cost incurred by them in STM-1 and primary multiplexing equipments as discussed in Clause 3.1.5 of this Agreement. Details of such equipments are at Annexure - C;

3.1.11 pay RailTel lease charges as arrived at mutually (on incremental cost basis) for recovery of principal and interest and charges for repairs and maintenance only incurred by RailTel towards creating, as per Railways requirement, a STM-4 network (as per Clause 3.2.6 of this Agreement) & with ring protection wherever rings are available, for use of Railway's long haul communication. Any surplus capacity on this network can be commercially exploited by RailTel for which revenues share is payable as per clause 3.2.1.

3.1.12 pay RailTel for Internet connectivity and other premium services. Rates will be decided centrally by Railway Board once in a year based on cost plus basis or lowest rates charged/offered by Railtel to other bulk/preferred customers whichever is lower.

3.1.13not charge RailTel Grant fee of Rs.11.34 Crore per annum for use of their Right of Way by RailTel on reconsideration of clause 3.2.1 of the Agreement dated 30.07.2003. At the same time, the share of RailTel's Gross revenue shall be enhanced as per clause 3.2.1 hereinafter provide;

3.1.14 pay RailTel proportionate maintenance charges as per clause 3.1.9 and lease charges for the Railways long haul STM-4 network as per clause 3.1.11 centrally by Railway Board to be distributed to the Zonal Railways on a pro-rata basis.

3.2 RailTel agrees

3.2.1 to share with Railways 5% (Five percent) of the Gross revenue from 30.07.2003 till such time that STM-4 network is set up in terms of clauses 3.2.6 & 3.2.7 hereinafter provided and 7% (Seven percent) of Gross revenue thereafter. Gross revenue includes revenue from use of MW towers, space in S&T & other buildings, MW bandwidth surplus capacity on Railways' Short haul & Long haul systems etc.

3.2.2 subject to Clause 11.3, to allot 25 crores equity shares of Rs.10 each aggregating to Rs.250 crore to RAILWAYS for

transfer of Optical Fiber Cable Assets as per details in Annexure A.

3.2.3 that RailTel shall bear the cost of augmentation/modification, if any, in the microwave buildings, towers and links and share revenue earned there from with Railways as per clause 3.2.1.

3.2.4 transfer, in terms of Clauses 3.1.2 and 3.1.3 of this Agreement, 4 fibers (2 pair) to Railways where 24 fiber OFC is existing and 2 fibers (1 pair) where 8/10 fibers are existing. Wherever the 8/10 fiber cable is replaced by a 24 fiber cable, RailTel shall transfer 2 (two) additional fibers to Railways on proportionate cost basis. Wherever equity is already issued by RailTel for 24 fiber or 8/10 fiber OFC (as the case may be) against such assets taken over from the Railways, proportionate equity will be adjusted towards future transfer of OFC assets. Details of such sections are indicated at Annexures A, B & C.

3.2.5 transfer short haul system to Railways with use of capacity as indicated in para 11.4. Wherever, RailTel has issued equity to Railways for transfer of such assets from Railways to RailTel, equity will be adjusted towards future transfer of OFC. Details of such assets are indicated in Annexure-A.

3.2.6 In sections having 24 fiber OFC, build wherever required a STM-4 long haul system with ring protection wherever available & with NMS, on Railways' 2 (two) pairs of fiber, for Railways' use on payment of lease charges as per clause 3.1.11

3.2.7 In sections having 8/10 fibre OFC, provide STM 4 long haul system with ring protection wherever available with NMS for Railways use on Railways pair of fibre on payment of 'lease charges as per clause 3.1.11.

3.2.8 To meet Railways communication requirements from 30/07/2003 till such time that STM-4 network is set up in terms of clauses 3.2.6 of this agreement and that no charges shall be payable by Railways to RailTel (as envisaged in the first schedule to the agreement dated 30.07.2003) on account of RailTel meeting such requirement as part of the overall objective of setting up of RailTel to commercially exploit the surplus capacity of the network while Railways continue to make captive use of the same.

3.2.9 to declare dividend to the shareholders from out of its profits from time to time as decided by its Board of Directors.

3.3 The financial arrangements in Clause 3.2.1 shall be reviewed after every 3 years. The review can be undertaken earlier than 3 years with mutual consent, however, not earlier than one year from the last review.

3.4 RailTel shall make payment of Railway dues at end of every year on account of revenue share and maintenance charges etc., if any, for optical fiber cable and equipment maintained by Railways. However, the payment of revenue share to Railways shall be deferred for 5 years i.e. till 30.07.2008 and shall be payable on a yearly basis thereafter. The deferred payment of revenue share for the 5 year period will however, become payable from the 6th year onwards and the schedule of payment shall be decided with mutual consent.

4. WARRANTIES AND REPRESENTATIONS

4.1 Warranty and Representation by the Parties

Each of the parties warrant and represent to the other that each party has full legal capacity, right, power and authority to execute and perform their respective obligations under this Agreement during the term of this Agreement.

4.2 RailTel 's Warranties and Representations

RailTel warrants and represents :-

4.2.1 that the nationwide broadband Optical Fiber Network will be created by utilising Railways' OFC assets and / or microwave network and its own OFC and telecom assets.

4.2.2 that the Optical Fiber Network will be designed in accordance with well established, approved, tested and proven engineering principles and practices.

4.2.3 that the Optical Fiber Network will comprise of Telecommunications facilities and materials of sound quality. The materials shall conform to International Telecom Union (ITU) / Indian Railway Standard (IRS) specification.

4.2.4 that the Optical Fiber Network will be designed and constructed in accordance with the requirements of this

Agreement in a safe, economical and efficient manner.

4.2.5 that its compliance of the terms, conditions and stipulations of this Agreement does not require the consent of any third party except any statutory authority and will not cause RAILWAYS to lose any interest in or benefit of any title, status, asset, right, license, relief or privilege which it would otherwise be entitled to own or enjoy.

4.2.6 that prior information, adequately in advance will be given to Railways regarding broad architectural design of the optical fiber Network.

4.3 RAILWAYS' Warranties and Representations

RAILWAYS warrants and represents:-

4.3.1 that it is subject to civil and commercial law with respect to its obligations under this Agreement and the execution of this Agreement authorizes RailTel to create Optical Fiber Network.

4.3.2 that it has disclosed and will disclose to RailTel all material information which would affect the performance of RAILWAYS obligations under this Agreement.

4.3.3 that it is the legal and beneficial owner of the Railway Land and has the right, power and capacity to grant the rights over the Railway Land to RailTel for construction of Optical Fiber Network.

4.3.4 that the land marked for laying down the Optical Fiber Network, is free from all liens, charges, encumbrances, litigation, third party rights or interests.

5. INDEMNITIES

5.1 Indemnity by RailTel

RailTel shall indemnify RAILWAYS in respect of any loss, costs, expenses, compensation or damages incurred in connection with:

5.1.1 injuries or damage to persons or property resulting from any act, omission or neglect or breach of statutory duty by RailTel, its assignee, agents, servants or employees or for or in respect of any claims, demands, proceedings

damages, costs charges, expenses in respect thereof or in relation thereto.

5.1.2 all claims which may be made in respect of the stores/ material/services for infringement of any right protected by patent, registration of designs or trade mark, intellectual property rights, provided that in the event of any claim in respect of any alleged breach of patent, registered designs or trade mark, intellectual property rights being made against the RAILWAYS, it shall notify RailTel of the same and RailTel shall at its own cost, either settle any such dispute or conduct any litigation that may arise from there.

5.2 RailTel shall assume full responsibility for and shall hold RAILWAYS harmless against all losses, liabilities, claims, demands, damages, charges, costs and expenses arising directly or indirectly out of or in connection with or as a result of death or personal injury to any person in the employment of RailTel while carrying out RailTel 's normal activities in the project sites.

5.3 **Indemnity by RAILWAYS**

RAILWAYS shall indemnify RailTel in respect of any loss, costs, expenses, compensation or damages incurred in connection with:-

5.3.1 the rights granted as per clause 3 of this Agreement.

5.3.2 injuries or damage to persons or property resulting from any act, omission or neglect or breach of statutory duty by RAILWAYS, its agents, servants or employees or for or in respect of any claims, demands, proceedings damages, costs charges, expenses in respect thereof or in relation thereto.

5.4 RAILWAYS shall assume full responsibility for and shall hold RailTel and all sub-contractors harmless against all losses, liabilities, claims, demands, damages, charges, costs and expenses arising directly or indirectly out of or in connection with or as a result of death or personal injury to any person in the employment of RAILWAYS while carrying out RAILWAYS' normal activities on the sites.

6. OBLIGATIONS OF RAILWAYS

6.1 Covenants and Agreements

RAILWAYS covenants and agrees that it shall:-

6.1.1 Release all approvals, which are within the competency of the RAILWAYS, to RailTel within reasonable time of submission of proposals including drawings etc. by RailTel to the RAILWAYS.

6.1.2 use its best endeavours to assist RailTel in securing all approvals relating to the Optical Fiber Network;

6.1.3 furnish RailTel with available information towards details of the topology and maps of the Railway Land, the roll diagrams showing the ground conditions on both sides of the track along the Railway Land, locations of existing cables, pipelines, power lines, sewers, proposed additional Railway lines, if any, including without limitation all other relevant information available to RAILWAYS and provide free and liberal assistance in making available such information to RailTel in order to avoid any disruption or damage to above service media, whenever in the opinion of the Railways furnishing such information is considered necessary.

6.1.4 permit free access to RailTel, its permitted assignee and the sub-contractors and other authorised persons along with their transports, equipment and other materials as needed, involved in construction and maintenance of optical fiber assets at all times day and night to the land being made available for this project and the equipment rooms.

6.1.5 install, operate and maintain the Railways Equipment including local leads.

6.1.6 Wherever feasible, provide communication facilities from Railways' telecom network, water and electricity for execution of the works and later for operation and maintenance of the network save that RailTel shall bear the cost of electricity and other utilities in connection with the execution of their works and later for operation and maintenance of the network. However, at stations, wherever RailTel shall be providing equipments for Railways' use, Railways shall provide electricity with 'AT' supply as far as feasible to RailTel without any charges.

6.1.7 maintain RailTel's optical fiber cable assets as detailed in Clause 11 of this Agreement, if specifically requested by

RailTel.

6.1.8 continue to provide Primary Multiplexers to derive voice channels from STM-1 short haul equipment which will be provided by RailTel at each station for Railways' communication circuits.

6.1.9 authorise RailTel to use, with prior approval, frequencies allotted to Railways provided use of same does not interfere in Railways' working.

6.1.10 subject to availability and quality of service meeting Railway's requirement, Railway will source all its bandwidth requirements from RailTel unless RailTel is not in a position to provide the same.

7. OBLIGATION OF RailTel

7.1 Covenants and Agreements

RailTel covenants and agrees that it shall:

7.1.1 establish, operate and maintain the Railways' Network in a professional manner to ensure required reliability and availability;

7.1.2 effectively monitor and coordinate the activities of the Railways' Network;

7.1.3 be responsible for acts of commission/omission of all personnel employed or engaged by RailTel, in the Railways' Network;

7.1.4 ensure no interference to RAILWAYS' normal working system except with permission / and where it is unavoidable for execution, operation and maintenance of its Optical Fiber Network or Railways Network.

7.1.5 execute the works in an orderly manner making as little disturbance as is practicably possible to the RAILWAYS' operation system.

7.1.6 ensure that it follows and honours all regulations of the RAILWAYS including requisite approvals and statutory regulations of the State Governments, Central Government, and local bodies during execution and subsequent operation

and maintenance of the Project.

7.1.7 not have access to the buildings of RAILWAYS except for such areas as allowed pursuant to this Agreement and where Optical Fiber Network is installed.

7.1.8 commercially exploit the spare capacity only after all the requisite permission/license, if any, has been received from the appropriate authorities. The responsibility for default in this respect shall be entirely that of RailTel.

7.1.9 provide STM-1 short haul equipment including associated equipment at each station for meeting the requirement of Railways' control and other communication, wherever RailTel shall lay optical fiber cable along the railway track. The cost of providing this STM-1 shorthaul equipment including associated equipment will be borne by Railways. .

7.1.10 provide additional bandwidth for all future requirements of Railways as mentioned in this Agreement, wherever feasible.

7.1.11 meet the requirement of bandwidth for Railways' communication as detailed in Clause 11 for the entire Term.

8. Further Rights

RAILWAYS also agree that RailTel shall have the right :-

8.1 subject to Clause 7.1.4 & 7.1.5, to construct, own, operate, maintain and install any further additions or extensions to the Optical Fiber Network, on, over or under (as appropriate), the Railway Land together with all rights of way, access, easements, quasi-easements and all other rights required relating or incidental to the further additions or extensions of the Optical Fiber Network free from all encumbrances as RailTel deems fit during the Term of this Agreement; and

8.2 to cause its officers, servants, agents, or contractors with or without materials, appliances and things from time to time and at all times hereafter to enter and be, upon the Railway Land to install, operate, maintain, adjust, repair, alter, replace or remove the whole or part of the Optical Fiber Network and/or exercise the rights granted under this Agreement and for any other purpose, connected or relating to the Optical Fiber Network without affecting train operations and ensuring availability of RAILWAYS' communication

requirements.

8.3 to increase / decrease the requirement of space, at the station given in the Annexure D or may request for additional space on stations not mentioned in Annexure D for its business activities. However, such right will be subject to availability and feasibility of such space at the desired stations and on payment of license fee charges at prevalent standard rate.

8.4 to get its assets, located on Railways' lands, identified and earmarked as RailTel's assets.

8.5 to have an option for issuance of identified assets.

8.6 to use Railways' right of way for laying cable, pipes etc., as defined in Clause 3.1.1, for new lines being constructed or to be constructed in future.

9. **Further Agreement**

9.1 Subject to other provisions of the Agreement, RAILWAYS shall ordinarily not use the land, wherein Right of Way is given to RailTel, in a manner, which may hamper the efficiency of the Optic Fiber Network. RAILWAYS shall not carry out any activity in the vicinity (say, within 1/2 mt. of either side) of the cable route to prevent any likely damage to the cable system (e.g. tree plantation, digging of trenches, construction of temporary/permanent structures, etc.). In cases where it becomes necessary to carry on some work in the

vicinity of the cable route, which work may affect the efficiency of the Optical Fiber Network, the RAILWAYS shall give adequate and reasonable written notice to RailTel before starting the work, to enable RailTel to take necessary steps for prevention of damage or efficiency of the system. RailTel will take immediate steps and enable Railways to carry out the activity as felt necessary by Railways. The direct cost of shifting of OFC alignment by RailTel necessitated due to the Railways' requirement shall be compensated by Railways to RailTel. RailTel shall ensure that the alignment of optical fiber cable, wherever feasible, shall be at the edge of the railway boundary to avoid interference with the maintenance activities and expansion of Railway network.

9.2 For this purpose, RailTel shall supply 5 copies of the cable route plans and associated drawings and documents etc. to the RAILWAYS for distribution amongst its various executive agencies.

9.3 In addition to grant of right to use the buildings / lands as contemplated under Clause 3.1.6, Railways agree to consider participation of RailTel in setting up of Cyber Café / Internet kiosks at stations or in trains as per extant instructions of Railways on the subject.

10. **Revision of Tenure**

10.1 Railways shall have the option to renew the rights hereby granted upon the expiry of the Term, for a further term of thirty (30) years upon mutually agreed terms and conditions by giving at least six (6) months written notice prior to the expiry of the Term.

10.2 **Irrevocability and Term**

10.2.1 The grant of the rights, by RAILWAYS to RailTel, over the Railway Land cannot be withdrawn during the tenure of this Agreement except where National security is involved or under the relevant provisions of this Agreement. In the event of the way leave facility (use of right of way) being discontinued with, RAILWAYS will neither be liable to pay any compensation or reimburse any amount to RailTel nor to provide any alternative arrangement for access etc. In such a case, any installation put up by the RailTel are liable to be removed / shifted at RailTel's own cost.

10.2.2 The above rights do not confer upon RailTel, in any way, any right of possession or occupation of the land and does not affect the Railway's title, possession, control and use of the land.

10.2.3 For the purpose defined in Clause 3.1, RAILWAYS agree to assist RailTel to undertake all acts and execute all documents as are necessary or required in pursuance to any statutory requirement or authority or otherwise as required by RailTel, so as to secure the grant as also assist RailTel in registration of such rights over the Railway Land and transfer of assets under this Agreement required in connection with setting up of the Optical Fiber Network.

10.2.4 RailTel shall ensure the way leave facility does not in any way impinge on the safety and security of railway operations and railway property specially while crossing of the track, level crossing gates, bridges etc.

10.3 The tenure of the right to use of the microwave infrastructure as contemplated under Clause 3.1.6 shall be co-terminus for use of right of way (way leave facilities) as granted to RailTel under these presents or till the assets are abandoned or dismantled, whichever is earlier. In case Railways decide to abandon or dismantle the same, Railways agree to offer transfer of the infrastructure at microwave stations to RailTel, if required by RailTel, at mutually

agreed value.

10.4 The duration for the license to use the buildings/ railway lands shall be co-terminus with the use of right of way (way leave facilities) or till the buildings are abandoned or dismantled, whichever is earlier.

11. TELECOM SERVICES FOR RAILWAYS

11.1 Upon transfer of Railways' optical fiber cable assets to RailTel as indicated in clause 3.1.2, RailTel would provide telecom services to the RAILWAYS, which were hitherto being provided through existing Optical Fiber Cable Assets of RAILWAYS viz. Control communication, block communication, block circuits, administrative trunk circuits, backbone for mobile train communication, subscriber loop for telephone exchanges etc. For this purpose, RailTel shall transfer back short haul STM-1 equipment at every station to Railways with telecom hut (where Railway accommodation is not available). Railways' responsibility shall be limited to providing Primary Multiplexers and extend circuits of the Railways' Network from OFC equipment locations by providing local leads. AND RAILWAYS will continue to maintain its own

i) Short haul optical equipment
ii) Primary Multiplexers
iii) local leads; and
iv) station equipments for control functioning.

11.2 Further, RailTel agrees to provide STM-1 equipment and associated equipment except Primary multiplexers at every station, with its costs to be paid by Railways at all sections where RailTel shall be laying optical fiber cable. RAILWAYS agree to provide Primary Multiplexers and local leads for extending the circuits for Railway network from the locations (where the OFC is terminated and Add Drop Multiplexers are provided) to the stations and for provision of station equipments for control functioning.

11.3 Additional optical fiber cable assets which have been commissioned or in the process of commissioning, may also be transferred by RAILWAYS to RailTel in due course after retaining 4 fibers. RailTel will continue to provide the services to the Railways which these OFC assets would have provided but for their transfer to RailTel. Valuation of such assets shall take place upon commissioning on similar basis as followed for existing optical fiber cable assets for the assets commissioned upto March 31 2002. The valuation of assets completed beyond March 31 2002 shall be made on actuals. Railways may decide to transfer the optical fiber

cable assets soon after their completion on the basis of approximate valuation based on a historical cost data pertaining to the preceding year of such OFC assets. However, this will be subject to adjustment subsequently based on the actual cost. It is agreed that these optical fiber cable assets shall be transferred to RailTel in lieu of issue of equity by RailTel to the RAILWAYS at par against the valuation of such assets till Railways' equity in RailTel reaches 51% of authorized capital. Subsequently, such transfer shall take place and on outright purchase basis.

11.4 Railways will use capacity of STM-1 system for short haul and other applications. The spare capacity will be offered to RailTel for commercial exploitation subject to a maximum of 1/3rd capacity. Further, on long haul STM-4 system also, the spare capacity available will be offered for commercial exploitation by RailTel.

11.5 RailTel will provide STM-4 system on one pair of fiber retained/transferred to Railways, in case of 24 fibre cable and on RailTel's fibre in case of 8/10 fibre cable in ring protection with NMS to meet Railways' requirement of long haul bandwidth. This system will be maintained by RailTel and Railways will pay annual lease charges as mutually decided based on incremental cost basis as per clause 3.1.11.

11.6 Railways may assist RailTel in carrying out optical fiber works on certain sections.

11.7 Railways may transfer OFC and other telecom work sanctioned in works program for implementation by RailTel as deposit works.

11.8 **OPERATION AND MAINTENANCE OF THE OPTICAL FIBER NETWORK**

RailTel shall maintain the optical fiber cable and long haul system. However, with mutual consent specific sections can be maintained by Railways. The short haul optical fiber system will be maintained by Railways.

11.9 Railways or RailTel may desire to review the arrangement spelt out in 11.1 to 11.7 above in which case the review shall be undertaken along with the review of financial arrangement as per Clause 3.3.

11.10To ensure reliability of Optical Fiber Network, a separate Memorandum of Understanding/Agreement, bringing out the details of responsibilities and other terms of operation and maintenance of optical fiber cable network, shall be entered into between

RAILWAYS and RailTel.

11.11 **Future Telecommunication requirements of Railways**

On demand from RAILWAYS, RailTel shall provide telecom services in extended sections, which do not form part of RailTel's plan for OFC coverage. RailTel shall, initially, bear the cost for constructing the network to provide telecom services as demanded by RAILWAYS. RailTel shall, however, recover the cost of such investments from the Railways over a period of 5 years. The title and ownership of such assets shall vest with the Railways. RailTel shall be permitted to utilise by itself or by any third party permitted by it the surplus bandwidth in the OFC system on such sections on same terms as have been decided for surplus capacity in microwave links in clause 3.1.6 and 3.2.3.

11.12 RailTel will verify and, if required, RailTel will take suitable steps with the approval of Railways to strengthen the tower, before using the tower space for antennae.

11.13 The RAILWAYS reserve the right to set up their own separate telecom system including optical fiber cable system for meeting the needs of rail operations.

12. Title to Optical Fiber Network

The property and title to the Optical Fiber Network (other than the Copper Cable, P-Mux , Railway Land & Sites, 4/2 fibers (2/1 pair) retained for Railway use and short haul STM-1 equipment transferred to Railways) shall vest in RailTel during the Term of the Agreement except where provided to the contrary in this Agreement. After expiry or termination of the Agreement unless the terms are further extended, the title to the Optical Fiber Network shall pass to the RAILWAYS on terms and conditions to be decided mutually. The property and title to the Microwave Assets, Copper Cable, Railway Land and Site shall at all times vest in RAILWAYS.

13. Entitlement to Revenue

RailTel shall be entitled solely and exclusively to all revenue income arising from the Optical Fiber Network in respect of the provision of telecommunication services to End Users on a commercial basis. Sharing of revenue with other parties will be governed by relevant clauses forming part of this Agreement or any other Agreement that RailTel enters into.

14. TAX LIABILITY

RailTel 's Liability to Tax

14.1 RailTel shall be responsible for all taxes, levies, charges and licence fees which RailTel is statutorily required to pay in respect of construction, operation and maintenance of Optical Fiber Network. While RAILWAYS will have no financial liability for payment of any taxes, levies, charges and license fees of any kind related to this Agreement, Railways would provide assistance to RailTel in securing possible tax exemptions / rebates from the particular tax authorities, if so desired by RailTel.

15. SERVICE ASSURANCE

For the purpose of maintenance and replacement of the assets, a charter of Quality of Service (QOS) will be separately finalised and signed between RAILWAYS and RailTel to ensure that RAILWAYS and RailTel's communication needs are taken care of. RailTel shall use all reasonable efforts to ensure that the availability of the Optical Fiber Network shall be as per the requirements laid down in service level Memorandum of Understanding / Agreement, which shall not be less than 99.5%. The quality of service of the circuits shall be as per ITU standards.

16. VALIDITY OF AGREEMENT

The Agreement shall remain valid till RAILWAYS have majority stake in the equity share capital of the RailTel i.e. RAILWAYS' equity holding in RailTel is equal to or more than 51 percent of the paid up equity of RailTel.

17. ASSIGNMENT

Transfer of Rights and Obligations

17.1 RailTel shall not assign novate or transfer any rights or obligation under this Agreement to any third party except to a subsidiary without prior approval from the Railways. However, whenever such assignment is made, RailTel shall ensure that the contract of the assignment provides that the duties and obligations under this Agreement shall be fully binding on the assignee.

17.2 RailTel can employ servants and agents or sub-contract for execution of a particular work of limited scope within the provision of this Agreement.

18. TERMINATION

18.1 RAILWAYS shall be entitled to terminate this Agreement upon one hundred and twenty (120) days notice in writing to RailTel in the event that :-

18.1.1 RailTel enters into any arrangement or composition with or for the benefit of its creditors.

18.1.2 an order is made or a resolution is passed for the winding up of RailTel ;

18.1.3 RailTel enters into liquidation either voluntarily or compulsorily (except for the purposes of amalgamation or reconstruction); or

18.1.4 RailTel has a receiver appointed over the whole or any part of its assets or undertaking.

18.2 Termination of this Agreement howsoever arising shall be without prejudice to any antecedent rights and remedies of either party and the provisions of the Agreement shall continue to bind each party in so far and for as long as may be necessary to give effect to their respective rights and obligations.

18.3 Upon termination of this Agreement, Railways shall have the first right or claim for the assets transferred under these presents to RailTel. Without prejudice to the right of revocation or the pre-emptive right of Railways on optical fiber cable and other related equipments, RailTel shall have the right to offer its optical fiber cable assets and equipments including the assets acquired under this Agreement both present and future as securities.

18.4 Non Stoppage or lending of the use of Railways Network

Since the asset of the Railways Network will be used for reasons of public interest, RailTel and its creditors will, under no circumstances, be allowed to stop / lend the use of the asset of Railways Network in terms of Clause 11 of this Agreement.

19. CONFIDENTIALITY

Confidential Information

19.1 The parties undertake to each other that they will not at any time hereafter use or divulge or communicate to any person other

than to their employees, auditors, bankers or financial and legal advisers whose province it is to know the same, any information concerning the Optical Fiber Network, the contents of the maps and topographical details provided by the RAILWAYS, accounts, know how, trade secrets, of the parties which have been disclosed or may come to their knowledge in relation to or as a result of this Agreement ("the Confidential Information ").

Time Limitation

19.2 This restriction shall continue to apply after the termination of this Agreement for any reason whatsoever without limit in point of time but shall not apply to the Confidential Information which becomes a matter of public domain through no fault of a party.

20. WAIVER, FORBEARANCE, VARIATION

Waiver and Forbearance

20.1 No exercise or failure to exercise and no delay in exercising any right, power, remedy or privilege, on the part of any of the parties hereto shall constitute a waiver thereof nor shall any single or partial exercise of any right, power, remedy or privilege preclude any further or other exercise thereof or the exercise of any other right, power, remedy or privilege.

Cumulative Rights

20.2 The rights and remedies available in this Agreement are cumulative and not exclusive of any rights or remedies otherwise provided by law.

Variation

20.3 This Agreement shall not be varied or modified unless such variation or modification shall be reduced to writing and signed by duly authorised representatives of the parties.

21 SEVERANCE

Effect of Severance

21.1 If any provision of this Agreement or part thereof is rendered void, illegal or unenforceable by any legislation to which it is subject, it shall be rendered void, illegal or unenforceable to that extent and no further, provided that if the commercial basis of this

Agreement is thereby substantially affected or altered the parties shall negotiate in good faith to amend and modify the provisions and terms of this Agreement as may be necessary or desirable in the circumstances.

22. NOTICES

Communications

22.1 All communications between the parties with respect to this Agreement shall be in writing and forwarded to the address set forth below or, to such other address as a party may from time to time designate, by facsimile and courier:

RailTel

[Address] The Managing Director,
RailTel Corporation of India Limited,
10th Floor. Bank of Baroda Building,
16 Sansad Marg,
Rail Bhawan,
New Delhi – 110 001.

Tel : +91 11 51501452

Attention: The Managing Director

RAILWAYS

The Secretary (Tele),
Railway Board,
Ministry of Railways,
Rail Bhawan, New Delhi – 110001

Tel : +91 11 23383138

Attention: The Executive Director (Telecom)

23. ENTIRE AGREEMENT

Scope of Agreement

23.1 This Agreement sets forth the entire agreement and understanding

between the parties in connection with the subject matter of this Agreement and supersedes and cancels in all respects all previous correspondence, agreements , undertaking and Memorandum of Understandings between the parties whether written or oral.

24. NO PARTNERSHIP

Relationship

24.1 The relationship between the parties to this Agreement shall not constitute a partnership. None of the parties has the power or the right to bind in any way whatsoever or to commit or pledge the credit of any other party.

25. GOVERNING LAW

Construction and Interpretation

25.1 This Agreement shall be governed by and construed in accordance with the laws of India.

26. ARBITRATION

26.1 In the event of any dispute or difference between the parties hereto, such dispute or difference shall be resolved amicably by mutual consultation or through the good offices of empowered agencies of the Government. If such resolution is not possible, then, the unresolved dispute or difference shall be referred to arbitration of an arbitrator to be nominated by Secretary, Department of Legal Affairs ("Law Secretary") in terms of the Office Memorandum No.55/3/1/75-CF dated the 19th December, 1975 issued by the Cabinet Secretariat (Department of Cabinet Affairs), as modified from time to time. The Arbitration and Conciliation Act, 1996, (26 of 96) shall not be applicable to the arbitration under this clause. The award of the Arbitrator shall be binding upon the parties to the dispute. Provided, however, any party aggrieved by such award may make a further reference for setting aside or revision of the award to Law Secretary whose decision shall bind the parties finally and conclusively.

27. FORCE MAJEURE

Rights and Obligations of Parties

27.1 A force majeure event shall be deemed to have occurred if at any time, during the Term of the Agreement the performance in

whole or in part by either party of its obligation under the contract is prevented or delayed by reason of any war or hostility, acts of the public enemy, civil commotion, sabotage, strikes and lockouts not limited to the establishment of the party claiming force majeure event, epidemics, quarantine restrictions, acts of Government, act of God or such eventualities which are beyond the control of the party, hereinafter referred to as events, and provided notice of happening and cessation of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof.

27.2 No failure or omission to carry out or observe any of the provisions of this Agreement shall entitle any party to terminate this Agreement or give rise to any claim for damages by any of the parties against any other party in respect of such non performance or result in a breach of this Agreement if such failure or omission arises as a result of a Force Majeure event.

27.3 In the event of a Force Majeure event continuing for more than one hundred and eighty days (180), the parties shall negotiate in good faith within sixty (60) days to amend or modify the terms and conditions of this Agreement as may be necessary or desirable in the circumstances to substantially give effect to the commercial basis and objectives of this Agreement as agreed by the parties taking into account the change in circumstances.

27.4 An event of force majeure shall to the extent possible be remedied with all reasonable despatch and performance of affected duties and obligations shall be resumed as early as possible.

27.5 Following the notice referred in sub clause 27.1 and for so long thereafter as the force majeure continues, the duties and obligations which cannot be performed or carried out because of force majeure event shall be suspended.

Provided however that no obligation which requires payment of moneys shall be suspended because of the force majeure event.

IN WITNESS WHEREOF the parties have set their respective hands the day and year first before written.

Signed by
Shri S.K. Suri, Addl. Member
(Planning)
Railway Board
For and on behalf of
THE PRESIDENT OF INDIA

Signed by

Shri K.K. Bajpeyee
Managing Director
For and on behalf of
RAILTEL CORPORATION OF INDIA LTD.

Witnesses:

21/9/06

Name: Mahabir Prasad, Addl. Member (Tele)
Address: Railway Board, Rail Bhawan,
New Delhi - 110001.

21/9

Name : Rajiv Sinha, Executive Director (POM)
Address: RailTel, 10th Floor, BoB Building, Pl. Street,
New Delhi –110001.

List of Annexures

Annexure A	- List of Railway assets already transferred to RailTel. (duly indicating details of assets being transferred back to Railways as per this agreement)
Annexure B	- List of Railway assets proposed to be transferred to RailTel.
Annexure C	- List of OFC assets created by RailTel & being transferred to Railways.
Annexure D	- Approx. requirement / valuation of land / building for RailTel.

SUMMARY OF ASSETS

Without Cost

SN	Annexure	Item	RKM	Remarks
1	A	Assets already taken over by RailTel	11102	Equity issued
2	B	Assets proposed to be taken over / taken (already commissioned)	9241	Equity for 20 fibers to be issued
3		Assets proposed to be taken over (Work in Progress)	8465	-do- after completion / taking over of sections
4	C	OFC Assets created by RailTel (4 fibers) to be transferred to Railways	7594	Amount to be refunded by Railways for 4 fibers
		TOTAL	36402	
		OFC on KRCL	920	Not accounted
		Sub total	37322	
		OFC by RailTel duplicated	673	Durg-NGP (264), Itarsi-BSL (250) & JL-MMD (159)
		Net total	36649	
		Total OFC planned	36713	
		Difference	64	due to difference in taken over/ planned figures of RKMs

Annexure-A

List of Assets already transferred to RailTel (duly indicating details of assets being transferred back to Railways)

Rupees in Lacs

SN	Section	RKM	No. Of Fibers	Equity for fiber @ Rs1.92 Lacs /Km	Equipment short haul @Rs.9.0 lacs/equpt.		Equipment long haul @Rs.9.5 lacs/equpt.		Total Equity transferred to Rly	Equity to be Reduced			
					NO.	Cost	NO.	Cost		No. of fiber to be transferred to Railway 2/4 fiber	Cost of fiber on proportional basis	Cost of short haul equipment	
												No.	Cost
	CENTRAL RAILWAY												
1	CSTM-Kalyan	62	24	119.04	16	144			263.04	4	19.84	16	144
2	Igatpuri-Manmad	125	24	240			1	9.50	249.50	4	40		
3	Manmad-Ankai	15	24	28.8					28.80	4	4.8		
4	Nasik Road-IRIEEN-MMR-BSL	191	24	366.72			5	47.50	414.22	4	61.12		
5	BSL-Khandwa	123	8	236.16			4	38.00	274.16	2	59.04		
6	Khandwa-Itarsi	178	8	341.76			5	47.50	389.26	2	85.44		
7	NGP-Itarsi	297	8	570.24			11	104.50	674.74	2	142.56		
	Sub total	**991**	**120**	**1902.72**	**16**	**144**	**26**	**247**	**2293.72**		**412.8**	**16**	**144**
	EASTERN RAILWAY												
1	Madhupur-Jhajha	73	18	140.16					140.16	4	31.15		
2	Jasidhi-Baidhyanathdham	6	18	11.52					11.52	4	2.56		
3	Bangaon-Ranaghat	33	18	63.36					63.36	4	14.08		
4	Ranaghat-Gede	43	24	82.56					82.56	4	13.76		
5	Sitarampur-Madhupur	73	24	140.16					140.16	4	23.36		
6	Sealdah-Krishnanagar & other	161	18	309.12					309.12	4	68.69		
7	Majerhat-Budgebudge	14	18	26.88					26.88	4	5.97		
	Sub-Total	**403**		**773.76**	**0**	**0**	**0**	**0**	**773.76**		**159.573**	**0**	**0**
	EAST CENTRAL RAILWAY												
1	Parsabazar-Gaya	85	18	163.2					163.20	4	27.2		
2	Patna-Parsabazar	7	18	13.44					13.44	4	2.99		
3	Tal-Barauni	20	18	38.4					38.40	4	8.53		
4	Jhajha-Quil-Mughalsarai	389	18	746.88					746.88	4	165.97		
5	Dhanbad-Chandrapura	38	18	72.96					72.96	4	16.21		
6	Tori-Barkakana-Gomia-Phusro	157	18	301.44					301.44	4	66.99		
	Sub-Total	**696**	**108**	**1336.32**	**0**	**0**	**0**	**0**	**1336.32**		**287.893**	**0**	**0**
	EAST COAST RAILWAY												
1	Khurda-Palasa-VSKP	424	24	814.08					814.08	4	135.68		
2	Khurda-Cuttack-Bhadrak	162	24	311.04					311.04	4	51.84		
3	Khurda-Puri	44	24	84.48					84.48	4	14.08		
4	Barang-Talchar-Angul	112	24	215.04					215.04	4	35.84		
5	Raipur-Titlagarh-VZM	466	24	894.72					894.72	4	149.12		
6	Jharsuguda-Sambalpur	41	24	78.72					78.72	4	13.12		
7	Sambalpur-Angul	156	18	299.52					299.52	4	66.56		
	Sub-Total	**1405**		**2697.6**	**0**	**0**	**0**	**0**	**2697.6**		**466.24**	**0**	**0**
	NORTHERN RAILWAY												
1	Delhi Area	106	8	203.52					203.52	2	50.88		
2	Kanpur-Lucknow	90	24	172.8					172.80	4	28.8		
3	Ambala-Saharanpur	86	24	165.12					165.12	4	27.52		
4	Srihind-Unahimachal	121	24	232.32					232.32	4	38.72		
5	Ambala-Kalka	76	24	145.92					145.92	4	24.32		
6	Lucknow-Barabanki	28	24	53.76					53.76	4	8.96		
7	SRE-Moradabad	195	24	374.4					374.40	4	62.4		
	Sub-Total	**702**	**152**	**1347.84**	**0**	**0**	**0**	**0**	**1347.84**		**241.6**	**0**	**0**
	NORTH EASTERN RAILWAY												
1	Bhatni-Varanasi	165	24	316.8					316.80	4	52.8		
2	Barabanki-Budawal	28	24	53.76					53.76	4	8.96		
3	Budawal-Gonda	62	24	119.04					119.04	4	19.84		
4	Lucknow-Malhaur	20	24	38.4					38.40	4	6.4		
	Sub-Total	**275**	**96**	**528**	**0**	**0**	**0**	**0**	**528**		**88**	**0**	**0**
	NORTH CENTRAL RAILWAY												
1	Tundla-Aligarh	78	24	149.76					149.76	4	24.96		
2	Tundla-Etawa	92	24	176.64					176.64	4	29.44		
3	Etawa-Panki	128	24	245.76					245.76	4	40.96		
4	Gaziabad-Aligarh	106	24	203.52					203.52	4	33.92		
5	Agra-Tundla	29	24	55.68					55.68	4	9.28		
6	Agra-Jhansi	215	24	412.8					412.80	4	68.8		
7	Jhansi-Bina	153	24	293.76					293.76	4	48.96		
8	Allahabad-Mughalsarai	153	24	293.76					293.76	4	48.96		
9	TKD-Palwal-Agra	177	24	339.84					339.84	4	56.64		

SN	Section	RKM	No. Of Fibers	Equity for fiber @ Rs1.92 Lacs /Km	Equipment short haul @Rs.9.0 lacs/equpt.		Equipment long haul @Rs.9.5 lacs/equpt.		Total Equity transferred to Rly	Equity to be Reduced			
					NO.	Cost	NO.	Cost		No. of fiber to be transferred to Railway 2/4 fiber	Cost of fiber on proportional basis	Cost of short haul equipment	
												No.	Cost
	Sub-Total	**1131**	**216**	**2171.52**	**0**	**0**	**0**	**0**	**2171.52**	**36**	**361.92**	**0**	**0**
	NORTH WESTERN RAILWAY												
1	JU-Luni	38	24	72.96					72.96	4	12.16		
	Sub-Total	**38**		**72.96**	**0**	**0**	**0**	**0**	**72.96**	**4**	**12.16**	**0**	**0**
	NORTH FRONTIER RAILWAY												
1	Changsari-Guwahati	22	24	42.24					42.24	4	7.04		
2	New Bongaigaon-Maligaon	185	24	355.2					355.20	4	59.2		
3	Lumding-Furkating	139	24	266.88					266.88	4	44.48		
4	New Jalpaiguri-Siliguri	10	18	19.2					19.20	4	4.27		
5	Alipurdwar-New Bongaigaon	110	24	211.2					211.20	4	35.2		
6	Guwahati-Lumding	181	24	347.52					347.52	4	57.92		
	Sub-Total	**647**		**1242.24**	**0**	**0**	**0**	**0**	**1242.24**	**24**	**208.107**	**0**	**0**
	SOUTHERN RAILWAY												
1	Chennai-Villupuram	162	24	311.04			7	66.50	377.54	4	51.84		
2	Changalpat-Kanchipuram	30	24	57.6					57.60	4	9.6		
3	Kanchipuram-Arakkonam	33	24	63.36					63.36	4	10.56		
4	Villupuram-Trichy	178	24	341.76	24	216	5	47.50	605.26	4	56.96	24	216
5	Villupuram-Pondicherry	38	24	72.96					72.96	4	12.16		
6	Trichy-Mailaduturai	142	24	272.64			3	28.50	301.14	4	45.44		
7	Trichy-Dindigul	97	24	186.24			3	28.50	214.74	4	31.04		
8	Dundigal-Madurai	58	24	111.36			1	9.50	120.86	4	18.56		
9	Mangalore-Calicut	221	24	424.32	24	216			640.32	4	70.72	24	216
10	Shoranur-Calicut	86	24	165.12	11	99			264.12	4	27.52	11	99
11	Shoranur-Alawaye	88	18	168.96					168.96	4	37.55		
12	Allepey-Ernakulam	23	18	44.16					44.16	4	9.81		
13	Ernakulam-Kottayam	63	18	120.96					120.96	4	26.88		
	Sub-Total	**1219**	**294**	**2340.48**	**59**	**531**	**19**	**180.5**	**3051.98**		**408.64**	**59**	**531**
	SOUTH CENTRAL RAILWAY												
1	Guntakal-Bellary	50	24	96	8	72	2	19.00	187.00	4	16	8	72
	Sub-Total	**50**	**24**	**96**	**8**	**72**	**2**	**19**	**187**		**16**	**8**	**72**
	SOUTH EASTERN RAILWAY												
1	Adra-Midnapur	156	18	299.52	1	9	5	47.50	356.02	4	66.56	1	9
2	Purlia-Kotsila	36	18	69.12					69.12	4	15.36		
3	Muri-Bokaro Steel City	57	18	109.44					109.44	4	24.32		
4	Muri-Ranchi-Hatia	72	18	138.24			2	19.00	157.24	4	30.72		
5	Chandil-Muri-Barkhakana	126	18	241.92			2	19.00	260.92	4	53.76		
6	Chakradharpur-Rourkela	101	24	193.92					193.92	4	32.32		
7	Rourkela-Jharsuguda	101	24	193.92			2	19.00	212.92	4	32.32		
8	Tatanagar-Chakradharpur	63	8	120.96					120.96	2	30.24		
9	Rajkharswan-Gua & branches	151	18	289.92					289.92	4	64.43		
10	Chandil-Kandra-Sini	29	24	55.68					55.68	4	9.28		
11	Bondamunda-Hatia	153	18	293.76			4	38.00	331.76	4	65.28		
12	Bondamunda-Kiruburu	115	18	220.8					220.80	4	49.07		
13	Rourkela-Birmitrapur	27	24	51.84					51.84	4	8.64		
14	Kharagpur-Amrada	88	24	168.96					168.96	4	28.16		
15	Kharagpur-HWH incl. Shalimar	121	24	232.32	27	243	5	47.50	522.82	4	38.72	27	243
16	Kharagpur-Tatanagar	134	24	257.28					257.28	4	42.88		
17	KGP-TATA-CKP-ROU				17	153	6	57.00	210.00			17	153
	Sub-Total	**1530**	**320**	**2937.6**	**45**	**405**	**26**	**247**	**3589.6**		**592.053**	**45**	**405**
	SOUTH EAST CENTRAL RAILWAY												
1	Jharsuguda-Bilaspur	206	24	395.52			3	28.50	424.02	4	65.92		
2	Bilspur-Durg	148	24	284.16			3	28.50	312.66	4	47.36		
3	Durg-Nagpur	264	8	506.88			6	57.00	563.88	2	126.72		
	Sub-Total	**618**		**1186.56**	**0**	**0**	**12**	**114**	**1300.56**		**240**	**0**	**0**
	SOUTH WESTERN RAILWAY												
1	Bellary-Hubli	238	24	456.96	28	252	3	28.50	737.46	4	76.16	28	252
2	Yashwantpur-Tumkur	64	24	122.88	8	72			194.88	4	20.48	8	72
3	Penukonda-Prashaninilayam	20	24	38.4	2	18			56.40	4	6.4	2	18
	Sub-Total	**322**		**618.24**	**38**	**342**	**3**	**28.5**	**988.74**		**103.04**	**38**	**342**
	WESTERN RAILWAY												
1	CCG-Virar	60	24	115.2	30	270	4	38	423.20	4	19.2	30	270
2	Udna-Nandurbar-Jalgaon	306	24	587.52	34	306	9	85.50	979.02	4	97.92	34	306
3	Ratlam (Local)	3	24	5.76					5.76	4	0.96		
4	Kota-Mathura	342	24	656.64					656.64	4	109.44		

SN	Section	RKM	No. Of Fibers	Equity for fiber @ Rs1.92 Lacs /Km	Equipment short haul @Rs.9.0 lacs/equpt.		Equipment long haul @Rs.9.5 lacs/equpt.		Total Equity transferred to Rly	Equity to be Reduced			
					NO.	Cost	NO.	Cost		No. of fiber to be transferred to Railway 2/4 fiber	Cost of fiber on proportional basis	Cost of short haul equipment	
												No.	Cost
5	Virar-ADI	0	24	0			9	85.50	85.50	4	0		
	Sub-Total	**711**		**1365.12**	**64**	**576**	**22**	**209**	**2150.12**		**227.52**	**64**	**576**
	WEST CENTRAL RAILWAY												
1	Itarsi-Jabalpur	245	24	470.4	24	216	7	66.50	752.90	4	78.4	24	216
2	Bina-Guna	119	24	228.48			3	28.50	256.98	4	38.08		
	Sub-Total	**364**		**698.88**	**24**	**216**	**10**	**95**	**1009.88**		**116.48**	**24**	**216**
	Total	**11102**		**21315.8**	**254**	**2286**	**120**	**1140**	**24741.84**		**3942.03**	**254**	**2286**
												3426.00	
	On Kalka-Shimla Section RailTel has done work at its own cost and given equity by mistake.												
	Kalka-Shimla	96	24	184.32					184.32				

Equity issued to Rly **Rs.249,26.16 lacs**

Equity to be reduced **Rs.39,42.03 lacs** **on a/c of 4 fibers**
(Rs. 75,52.35 lacs) **Rs. 1,84.32 lacs** **on a/c of Kalka-Shimla section**
Rs.34,26 lacs **on a/c of STM-1 S/H & STM-1 L/H**

Modified equity to remain with Railways **Rs. 173,73.81 lacs**

Annexure-B

List of Railway Assets proposed to be transferred to RailTel (commissioned / WIP)

SN	Section	RKM	No. Of Fibers on the cable	Fiber being transferred to RailTel	No. of STM-1/4 long haul Equpt provided by RailTel	No. of STM-1 S/H provided by RailTel	Remarks
Already Commissioned							
	CENTRAL RAILWAY						
1	Pune-Wadi	415	24	20	6	40	Executed by RailTel
2	Badnera-Bhusawal	218	24	20			Taken Over Equity to be issued
3	Balharshah-wardha-Nagpur	301	24	20			-do-
4	Jalamb-Khamgaon	12	24	20			-do-
5	Badnera-AMI	9	24	20			-do-
6	Igatpuri-Kalyan	84	24	20			to be taken over
7	Vasai-Panvel-Jasai	90	24	20			-do-
8	Panvel-Karjat	28	24	20			-do-
9	Thane-Turbhe	21	24	20			-do-
	Sub Total	**1178**			**6**	**40**	
	EASTERN RAILWAY						
1	Fairlie- Howrah-Asansol-Sitarampur	231	24	20			Taken Over Equity to be issued
2	HWH-Bidhannagar	10	24	20			-do-
3	Andal-Siuri-Sainthia-Tapsi	84	24	20			-do-
4	Khana-Sainthia-Rajgram	140	24	20			-do-
5	Barasat-Hasanabad	52.3	24	20			-do-
6	Dumdum-Dankuni	14	24	20			-do-
7	Krishananagar-Berhampore	85	24	20			to be taken over
8	Berhampore-Lalgola	42	24	20			-do-
9	Pradhankanta-Sitarampur	40	24	20			-do-
10	Ranaghat-Shantipur	20	24	20	1		-do-
11	Fairlie-Ultadanga-Dankunu	27	24	20			-do-
	Sub Total	**745.3**			**1**	**0**	
	EAST CENTRAL RAILWAY						
1	MughalSarai-Dehrionsone	118	24	20			-do-
2	Dehrionsone-Gaya-Manpur	91	24	20			-do-
3	Manpur-Parsabad	97	24	20			-do-
4	Parsabad-Dhanbad-Pradhankanta	106	24	20			-do-
5	Phusro-Gomoh	29	24	20			-do-
6	Dhanbad-Katrasgarh	14	24	20			-do-
7	Bakhtiyarpur-Rajgir	53	24	20			-do-
8	Tori-Richiguta-Barwadih-Garwa	106	24	20			-do-
	Sub Total	**614**			**0**	**0**	
	EAST COAST RAILWAY						
1	Rajatgarh-Talcher-Kapilas (balance)	14	24	20			Taken Over Equity to be issued
2	Cuttack-Paradeep	91	24	20			-do-
3	Sambalpur-Titlagarh	181	24	20	4		-do-
4	Raipur-VZM (balance)	19	24	20			to be taken over
	Sub Total	**305**			**4**	**0**	
	NORTHERN RAILWAY						
1	Delhi-Rewari	84	24	20	2	13	Executed by RailTel
2	Delhi-Ambala	198	24	20			Taken Over Equity to be issued
3	Ambala-Ludhiana	113	24	20			to be taken over
4	Ludhiana-Jalandhar-Amritsar	151	24	20			-do-

SN	Section	RKM	No. Of Fibers on the cable	Fiber being transferred to RailTel	No. of STM-1/4 long haul Equpt provided by RailTel	No. of STM-1 S/H provided by RailTel	Remarks
5	Amritsar-Pathankot	107	24	20			-do-
6	Jalandhar-Pathankot	116	24	20			-do-
7	Pathankot-Hiranagar-Jammu	73	24	20		7	-do-
8	Jammu-Udhampur	53	24	20			-do-
	Sub Total	**895**			**2**	**20**	
	NORTH CENTRAL RAILWAY						
1	Allahabad-Kanpur	200	24	20			-do-
2	Allahabad-Manikpur	95	24	20			-do-
3	Allahabad-Janghai	60	24	20			-do-
	Sub Total	**355**			**0**	**0**	
	NORTH EASTERN RAILWAY						
1	Gorakhpur-Bhatni-	71	24	20			-do-
2	GKP-Khadda-Valmikinagar	100	24	20			-do-
3	Gonda-Gorakhpur	154	24	20			Taken Over Equity to be issued
	Sub Total	**325**			**0**	**0**	
	NORTH FRONTIER RAILWAY						
1	Changsari-Bongaigaon	138	24	20			Taken Over Equity to be issued
2	Furkating-Namrup-Tinsukia-Dibrugarh	288	24	20	8		-do-
3	Katihar-Kumedpur-New Jalapiguri	202	24	20	7		to be taken over
4	Barsoi-Radhikapur	55	24	20			-do-
5	Kumedpur-Malda	62	24	20	3		-do-
6	NewJalpaguri-Alipurduar BG	145	24	20	5		-do-
	Sub Total	**890**			**23**	**0**	
	NORTH WESTERN RAILWAY						
1	Marwar-Luni	72	24	20			-do-
	Sub Total	**72**			**0**	**0**	
	SOUTHERN RAILWAY						
1	Kottayam-Kayakulam	55	24	20			Taken Over Equity to be issued
2	ERC-Allepey-Kayakulam-TVC	182	24	20			-do-
3	Chennai-MRTS	19	24	20			-do-
4	Coimbatore-Soranur	100	24	20			-do-
5	Salem-Omalur	12	24	20			-do-
6	Karur-Mahadapuram	27	24	20			-do-
7	Renigunta-Chennai	135	24	20	3	18	to be taken over/ equity to be issued (Payment recd.)
8	Chennai-Gudur	138	24	20	4	17	-do-
9	Alaway-Ernakulam (bal)	19	24	20			-do-
	Sub Total	**687**			**7**	**35**	
	SOUTH EASTERN RAILWAY						
1	Asansol-Adra	40	24	20			Taken Over Equity to be issued
2	Adra-Purulia	40	24	20			-do-
3	Bhadrak-Amarda	93	24	20			-do-
	Sub Total	**173**			**0**	**0**	
	SOUTH EAST CENTRAL RAILWAY						
1	Gondia-Balaghat	40	24	20			to be taken over

SN	Section	RKM	No. Of Fibers on the cable	Fiber being transferred to RailTel	No. of STM-1/4 long haul Equpt provided by RailTel	No. of STM-1 S/H provided by RailTel	Remarks
2	Durg-Balod-Dallirajhara	87	24	20			-do-
	Sub Total	**127**			**0**	**0**	
	SOUTH CENTRAL RAILWAY						
1	*Wadi-Guntakal-Dharmavaram*	356	24	20	7	31	Executed by RailTel
2	Wadi-Secunderabad	195	24	20	6	22	-do-
3	Gooti-Renigunta	280	24	20	5	29	to be taken over
4	Vijayawada-VSKP	351	24	20	7	42	-do- (STM-1 WIP)
5	*Tirupati-Pakala-Katpadi*	100	24	20			-do-
6	Gudur-RU-tirupati	95	24	20			Taken over 10 Km only
	Sub Total	**1377**			**25**	**124**	
	SOUTH WESTERN RAILWAY						
1	Dharmavaram-Bangalore	209	24	20			to be taken over
	Sub Total	**209**			**0**	**0**	
	WESTERN RAILWAY						
1	Surat-Virar	203	24	20	5		to be taken over/ equity to be issued (Payment recd.)
2	Kota-Ratlam	268	24	20			-do-
3	Ratlam-Vadodara	260	24	20			-do-
4	ADI-Viramgram	65	24	20	1		to be taken over
	Sub Total	**796**			**6**	**0**	
	WEST CENTRAL RAILWAY						
1	Bina-Bhopal-Itarsi	230	24	20	7	0	to be taken over
2	Jabalpur-Satna-Manikpur	263	24	20			Taken Over Equity to be issued
	Sub Total	**493**			**7**	**0**	
	TOTAL	**9241.3**			**81**	**219**	
WORK IN PROGRESS							
	CENTRAL RAILWAY		24	20			
	Sub Total	**0**					
	EASTERN RAILWAY						
1	Kiul-Bhagalpur	99	24	20			
2	Bhagalpur-Barharwa	128	24	20			
3	Nalhati-Katwa-Azimganj	120	24	20			
4	Azimganj-New Farakka	113	24	20			
5	Lakshmikantapur-Kakdwip	35	24	20			
6	Namkhana-Kakdwip	15	24	20			
	Sub Total	**510**					
	EAST CENTRAL RAILWAY						
1	Ara-Nokha-Sasaram	100	24	20			
2	Kiul-Gaya	129	24	20			
3	Tori-Barwadih-Garwa (bal.)	27	24	20			
4	Chhapra-Hazipur	60	24	20			
5	Hazipur-Shahpur-Bachchwara	70	24	20			
6	Jayanagar-Sakri-Darbhanga	69	24	20			
7	*Darbhanga-Sitamarhi*	68	24	20			
8	Sitamarhi-Raxaul	83	24	20			
9	Raxaul-Narkatiaganj	41	24	20			
10	Valmikinagar-Bagaha-Sagauli	111	24	20			
11	Sagauli-Muzaffarpur	100	24	20			
12	Koderma-Barhi	22	24	20			

SN	Section	RKM	No. Of Fibers on the cable	Fiber being transferred to RailTel	No. of STM-1/4 long haul Equpt provided by RailTel	No. of STM-1 S/H provided by RailTel	Remarks
13	Samastipur-Darbhanga	36	24	20			
14	Garwa Road-Renukot	100	24	20			
15	Barauni- Pasrah	90	24	20			
16	Pasrah-Katihar	90	24	20			
	Sub Total	**1196**					
	EAST COAST RAILWAY						
1	Kottavalasa-Koraput	190	24	20			
2	Koraput-Jagdalpur	106	24	20			
3	Junagarh-Lanjigarh	54	24	20			
4	Khurda Road-Bolangir	289	24	20			
5	Jakhapura-Daitari-Banspani	188	24	20			
	Sub Total	**827**					
	NORTHERN RAILWAY						
1	Pathankot-Jammu (bal.)	28	24	20			
2	Udhampur-Katra	24	24	20			
3	Delhi(SSB)-Rohtak-Bhatinda	298	24	20			
4	Hapur-Moradabad	105	24	20			
5	Ghaziabad-Hapur	40	24	20			
6	Lucknow-Sultanpur-Zafrabad	233	24	20			
7	Ludhiana-Firozpur	124	24	20			
8	Firozpur-Jalandhar	118	24	20			
9	Chandigarh-New Morinda	44	24	20			
10	Utraitia-Pratapgarh-Zafrabad	220	24	20			
	Sub Total	**1234**					
	NORTH CENTRAL RAILWAY						
	Sub Total	**0**					
	NORTH EASTERN RAILWAY						
1	Bhatni-Chhapra	109	24	20			
2	Aunrihar-Chhapra	171	24	20			
	Sub Total	**280**					
	NORTH FRONTIER RAILWAY						
1	Katihar-Jogbani	108	24	20			
2	Siliguri-Nagrakata-Alipurdwar MG	164	24	20			
3	Rangiya-Rangpara-Murkongselek	451	24	20			
4	Rangapara-Tezpur	27	24	20			
5	Lumding-Badarpur-Silchar	212	24	20			
	Sub Total	**962**					
	NORTH WESTERN RAILWAY						
1	Kolayat-Falaudi	112	24	20			
	Sub Total	**112**					
	SOUTHERN RAILWAY						
1	Palghat-Pollachi-Coimbatore-Dindigul	218	24	20			
2	Karur-Dindigul	74	24	20			
	Sub Total	**292**					
	SOUTH EASTERN RAILWAY						
1	HWH-Amta-Champadanga	75	24	20			
2	Pansukra-Tamluk-Digha	123	24	20			
3	Bokaro-Chanderpura-Tilgaria	39	24	20			
4	Ranchi-Lohardanga-Tori	113	24	20			
5	Purulia-Chandil	54	24	20			

SN	Section	RKM	No. Of Fibers on the cable	Fiber being transferred to RailTel	No. of STM-1/4 long haul Equpt provided by RailTel	No. of STM-1 S/H provided by RailTel	Remarks
6	Adra-Bhojudih-Bhaga-Gomoh	85	24	20			
	Sub Total	**489**					
	SOUTH EAST CENTRAL RAILWAY						
1	Champa-Gevra Rd.	47	24	20			
2	Gondia-Balharshah	241	24	20			
3	Balaghat-Nainpur	78	24	20			
4	Chindwara-Nagpur	149	24	20			
5	Nainpur-Chindwara	141	24	20			
6	Nainpur-Jabalpur	111	24	20			
7	Balaghat-Katangi	47	24	20			
8	Salka Road-Anuppur	110	24	20			
9	Katni-Anuppur	167	24	20			
	Sub Total	**1091**					
	SOUTH CENTRAL RAILWAY						
1	Dornakal-Bhadrachalam-Manuguru	104	24	20			
2	Kazipet(Warangal)-Dornakal-BZA	225	24	20			
	Sub Total	**329**					
	SOUTH WESTERN RAILWAY						
1	Jolarpettai--Kupam-Whitefield-SBC	143	24	20			
2	Bangalore-Kuppam	73	24	20			
	Sub Total	**216**					
	WESTERN RAILWAY						
1	Viramgram-Gandhidham	235	24	20			
2	Nagda-Ujjain-Bhopal	238	24	20			
	Sub Total	**473**					
	WEST CENTRAL RAILWAY						
1	Bina-Katni	264	24	20			
2	Kota-Ruthiyai-Guna	190	24	20			
	Sub Total	**454**					
	TOTAL	**8465**			**0**	**0**	
	GRAND TOTAL	**17706**			**81**	**219**	

Annexure - C

List of OFC Assets created by RailTel being transferred to Railways

SN	Section	RKM	No. Of Fibers in the cable	Fiber being transferred to Railways	No. of STM-1/4 long haul Equpt provided by RailTel	No. of STM-1 S/H provided by RailTel	Remarks
	CENTRAL RAILWAY						
1	Itarsi-Bhusawal	250	24	4	6	38	Executed by RailTel
2	Jalgaon-Manmad	159	24	4			-do-
3	Kalyan-Lonavala-Pune	138	24	4	2	21	Executed by Railways
4	Mumbai-Kurla-Panvel	60	24	4	1	12	-do-
5	Manmad-Ahmednagar-Daund	238	24	4			-do-
6	Pune-Satara	145	24	4			-do-
7	Satara-Miraj	135	24	4			-do-
8	Miraj-Kolhapur	48	24	4			-do-
	Sub Total	**1173**			**9**	**71**	
	EASTERN RAILWAY						
1	Rajgram-Malda	89	24	4			Executed by RailTel
	Sub Total	**89**			**0**	**0**	
	EAST CENTRAL RAILWAY						
1	Hazipur-MFP-BJU	156	24	4			Executed by RailTel
	Sub total	**156**			**0**	**0**	
	EAST COAST RAILWAY						
	Sub Total	**0**			**0**	**0**	
	NORTHERN RAILWAY						Executed by RailTel
1	*Saharanpur-Meerut-Ghaziabad*	161	24	4			-do-
2	Zafrabad-BSB-MGS	52	24	4			-do-
3	Laksar-Dehradun	78	24	4	2		-do-
4	Kalka-Shimla	96	24	4	3	18	-do- (STM-1 WIP)
5	GZB-Kanpur *(only eqpt.)*				9	50	-do-
6	Muzzaffarpur Narain-Bijnaur	25	24	4			-do-
7	BSB-MGS	17	24	4			-do-
8	Moradabad-Lucknow	325	24	4	5		Executed by Railway
	Sub Total	**754**			**19**	**68**	
	NORTH CENTRAL RAILWAY						
	Sub Total	**0**			**0**	**0**	
	NORTH EASTERN RAILWAY						
1	Rampur-Kathgodam	89	24	4			Executed by RailTel
2	Lalkuan-Izatnagar	77	24	4			-do-
3	Bareilly-Izzatnagar	10	24	4			Executed by Railways
	Sub Total	**176**			**0**	**0**	
	NORTH FRONTIER RAILWAY						
	Sub Total	**0**			**0**	**0**	
	NORTH WESTERN RAILWAY						
1	Rewari-Jaipur	225	24	4	5	20	Executed by RailTel
2	Jaipur- Palanpur	493	24	4	9	72	-do-
3	Jaipur-Sawaimadhopur	131	24	4			-do-
	Sub total	**849**			**14**	**92**	
	SOUTHERN RAILWAY						
1	Arakonam-Jolarpettai	145	24	4			Executed by RailTel
2	Salem-Erode-Coimbatore	180	24	4		21	Executed by Railway
3	Erode-Trichy	141	24	4	4	19	-do-
4	Madurai-TVC-Kanyakumari	349	24	4		31	-do- (STM-1 WIP)
	Sub total	**815**			**4**	**71**	
	SOUTH EASTERN RAILWAY						
1	Tamluk-Haldia	50	24	4			Executed by RailTel
	Sub Total	**50**			**0**	**0**	
	SOUTH EAST CENTRAL RAILWAY						

SN	Section	RKM	No. Of Fibers in the cable	Fiber being transferred to Railways	No. of STM-1/4 long haul Equpt provided by RailTel	No. of STM-1 S/H provided by RailTel	Remarks
1	Durg-Nagpur	264	24	4	6		Executed by RailTel
	Sub Total	**264**			**6**	**0**	
	SOUTH CENTRAL RAILWAY						
1	BZA-SC via Guntur	324	24	4	6	24	Executed by RailTel
2	Bibinagar-Kazipet-Balharshah	335	24	4	7		-do-
3	Kakinada-Samalkot	21	24	4			-do-
4	Gudur-Vijayawada	320	24	4	9	24	Executed by Railway
	Sub Total	**1000**			**22**	**48**	
	SOUTH WESTERN RAILWAY						
1	(Salem)- Omalur-SBC	203	24	4			Executed by RailTel
2	Bangalore-Mangalore	446	24	4	2	14	Executed by Railway
3	Miraj--Londa	189	24	4			-do-
4	Hubli-Londa	91	24	4			-do-
5	Londa-Madgaon-Vasco	109	24	4			-do-
6	Hassan-Arsikere	47	24	4			-do-
7	Tumkur-Hubli	399	24	4			-do-
	Sub Total	**1484**			**2**	**14**	
	WESTERN RAILWAY						
1	Palanpur-Ahmedabad	133	24	4	3	22	Executed by RailTel (WIP at 6 stn.)
2	Gandhinagar-Vadodara	145	24	4	4		-do-
3	Vadodara-Surat	135	24	4	1		-do-
4	Viramgram-Rajkot	181	24	4	4		-do-
5	Indore-Fatehabad-Ratlam-Ujjain	141	24	4	6		-do-
	Sub Total	**735**			**18**	**22**	
	WEST CENTRAL RAILWAY						
1	Satna-Rewa	49	24	4			Executed by Railway
	Sub Total	**49**			**0**	**0**	
	TOTAL	**7594**			**94**	**386**	

Annexure - D

Approximate Requirements / Valuation of Land/buidings for RailTel

(Area. Sq.Ft)

LOCATIONS	NOC	Date Centre	Access Nodes	Transport Nodes	Backbone Node	Long Haul Equipment Housing	Total	Rate (Rs.) * per Sq. Ft.
Delhi	10,000	10,000	1,350	2,800	800		24,950	3,000
Mumbai	10,000	10,000	1,350	2,800	800		24,950	8,000
Chennai		10,000	1,350	2,800	800		14,950	3,000
Kolkata		10,000	1,350	2,800	800		14,950	3,000
Bangalore		10,000	1,350	2,800	800		14,950	3,000
Hyderabad		10,000	1,350	2,800	800		14,950	650
Pune		10,000	1,350	2,800	800		14,950	650
Ahmedabad		10,000	1,350	2,800	800		14,950	650
Major Cities (4 Nos.)		40,000					40,000	650
L.D.C.A's (279 Nos.)				400*3	400		446,400	650
Space for Long Haul Equipment (360 Nos.)						100	42,000	650
TOTAL	**20,000**	**120,000**	**10,800**	**357,200**	**118,000**	**36,000**	**668,000**	

* i) The valuation of the Land/Building is based on the Report of Director's Committee set up in Railway Board.
ii) The Land/Building will be given to RailTel on payment of prevalent standard leased rates as defined in Clause