RAILTEL CORPORATION OF INDIA LIMITED (A Govt. of India Undertaking) (Ministry of Railways)

TENDER DOCUMENT

FOR

"Provision of Wi-Fi service (Both Supply & Execution) in Railway Station by creating OFC infrastructure at twenty seven (27) numbers of Railway Stations in Eastern Region"

Tender No.

RailTel/Tender/OT/ER/HQ/2016-17/996 to 999 Dtd. 01.03.2017

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TENDER NOTICE

No. RailTel/Tender/OT/ER/HQ/2016-17/996 to 999 Dtd: 01.03.2017

RailTelCorporation of India Limited, Eastern Region, 3rd Floor, Chatterjee International Centre, 33 A, Jawaharlal Nehru Road, Kolkata - 700 071, invites sealed open tenders from established and reliable contractors with proven experience for the following works

Provision of Wi-Fi service (Both Supply & Execution) in Railway Station by creating OFC infrastructure at 27 numbers of Railway Stations in Eastern Region.

Tender No., Document cost and EMD details are as follows:-

Section No.	Name of Stations	Notice No. :	Tender Value (Approx.) (Rs.)	EMD (Rs.)	Cost of Tender Document (incl. of VAT) (Rs)
1	Malda Town, Durgapur, New Farakka, Rampurhat, Siliguri, Alipurduar Jn, Digha	RailTel/Tender/OT/ ER/HQ/2016- 17/996, Dtd. 01.03.2017	8,376,338.00	1,67,550.00	5,250/-
2	Balasore, Jharsuguda, Khurda Road, Bhadrak, Sambalpur, Vizianageram, Palasa, Srikakulam	RailTel/Tender/OT/ ER/HQ/2016- 17/997, Dtd. 01.03.2017	1,11,06,741.00	2,05,550.00	5,250/-
3	Samastipur, Danapur, Parasnath, Singrauli, Mokama, Katihar	RailTel/Tender/OT/ ER/HQ/2016- 17/998, Dtd. 01.03.2017	90,49,272.00	1,80,990.00	5,250/-
4	Tinsukia, Jorhat Town, Barpeta Road, Dimapur, Lumding, Rangia	RailTel/Tender/OT/ ER/HQ/2016- 17/999, Dtd. 01.03.2017	71,12,271.00	1,42,250.00	5,250/-

a)	Sale of Tender Documents	From 07.03.2017
b)	Closing of sale of Tender Documents	Up to17:00 hrs. on 27.03.2017
c)	Receipt of tender documents.	Up to 15:00 hrs. on 28.03.2017
d)	Opening of tender documents.	At15:30 hrs. on 28.03.2017
e)	Validity of offer	90 days from the date of opening of tender.
f)	Completion period	Minimum 30 to Maximum 90 days from the date of issue of LOA of tender(As per detail given in the tender document against each stations) on case basis.

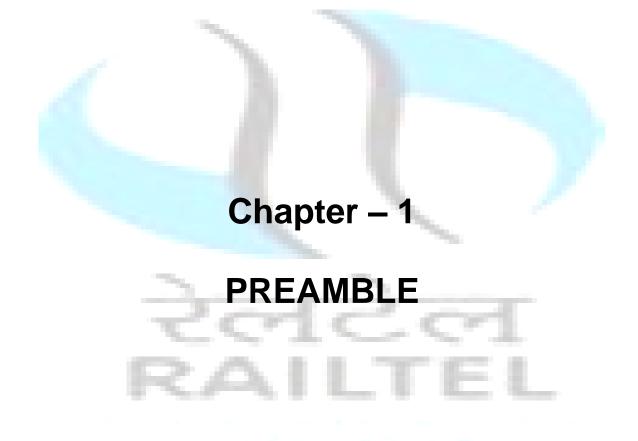
g)	Address for availability of Tender document	O/o The Executive Director RailTel Corporation of India Ltd., Eastern Region 3 rd Floor, Chatterjee International Centre 33A, Jawaharlal Nehru Road Kolkata – 700 071			
h)	Web address for availability of tender document	www.railtelindia.com			
i)	Cost of each Tender document by hand	Rs.5,250/- for each tender. Tenderer has to submit tender cost for each Tender seperately			
j)	Cost of Tender document if required by post				
k)	document as stated above have to	baded from the website then the cost of tender to be submitted along with the offer in the form of the bur of RailTel Corporation of India Ltd. payable at			

The offers shall be opened on above said date in the presence of those bidders who choose to be present. In case the date of opening happens to be a holiday, the tender will be received and opened at the same time on the next working day.

A bidder may quote for all the sections/Tenders, however, one bidder will be awarded maximum two tenders/sections only and tender cost & EMD value to be submitted separately accordingly.

Further information regarding Corrigendum, addendum etc. will be made available at RailTel's website www.railtelindia.com or from the office of Executive Director- RailTel /Kolkata.

RailTel Corporation of India Limited, Eastern Region, Kolkata



Preamble

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Preamble

Tender No: RailTel/Tender/OT/ER/HQ/2016-17/996 to 999, dt: xx.03.2017

1.0 Name of work:

"Provision of Wi-Fi service (Both supply & execution) in Railway Stations by creating OFC infrastructure at twenty seven (27) numbers Railway Stations in Eastern Pagina"

Region".

1.1 Scope of work:

The broad responsibility of the contractor under the scope of work for this tender shall be as under:

Excavation of trenches and laying of HDPE Duct in all type of soils, Road/Rail crossing, in building, clamping etc. & protective works as per technical specifications.

Back filling and dressing of the excavated trenches according to technical specifications.

Blowing/pulling of Optical Fiber Cables (24F/6F) with proper tools and accessories as per Technical specifications.

Installation of Jointing Chambers & Route/Joint Indicators as per technical specification.

Splicing of fibers in Joint closures/FMS and installation of new joint enclosures/FMS.

Laying of power cables, Ethernet cables in DUCT, PVC conduit.

Installation of 6U/9U rack & UPS at suitable height on platforms with all sorts of angles, nuts etc.

End to end Testing & Submission of test results, route diagrams.

1.2 **Tender Bid**

Tender bid shall be submitted in single cover as detailed in para no. 3.5.6 of tender document.

Pre- bid conference for this tender will be held on date, time and venue as given below:-

Pre- bid conference:

Date: 17.03.2017, Time: 15:00Hrs

Venue: RailTel Corporation of India Ltd., Eastern Region, 3rdFloor, Chatterjee International Centre, 33A, Jawaharlal Nehru Road, Kolkata – 700 071(Conference Room).

1.3. Qualifying Criteria

General

- 1.3.1 The tenderer should submit the details of experience of similar works or services in the projects/works executed/under execution which should clearly bring out expertise in the work as per Form no. 13.
- 1.3.2 The tenderer/s must submit along with his/their tender, certificates from the original user for whom the project was undertaken certifying the date of award of contract, date of completion, date of commissioning is the present working state of the system so established. The tenderer shall submit these certificates for all the projects/works that he has executed which only satisfy the minimum requirements in each case. The certificates are to be submitted in original or their true copies duly signed by the tenderer, preferably as per Form no. 2.
- 1.3.3 For qualifying in the tender, the bidder/tenderer should have the following Technical & Financial capabilities for each section/tender that the tenderer is quoting:

1.3.3.1 **Technical**:

Tenderer should have completed at the time of tender opening during the last three financial years i.e. current year & three previous financial years,

i) One (01) similar work for a minimum value of 35% of the advertised Tender Value.

OR

ii) Two (02) similar works for a minimum value of 20% of the advertised Tender value each.

OR

iii) Three (03) similar works for a minimum value of 15% of the advertised Tender value each.

1.3.3.2 **Definition of similar work:**

Works similar to the scope of work as contained in this tender shall mean

OFC works including Trenching, laying, Jointing, Splicing, Testing and Commissioning of Optical Fiber Cables / Telecom Cable works.

OR

Installation & Commissioning of public Wi-Fi networks in Railway Stations / Metro Railway Stations / Airports / Bus Terminals/ Ship Terminals / Malls with minimum 200 shops/ Educational Institutions.

The work should have been executed for Govt. /PSUs / Telecom Service Providers/ IT Infrastructure Providers/ Universities/ Autonomous Institutions.

1.3.3.3 Financial:

Total contract amount received during the last 3 financial years and in the current financial year should be a minimum of 150% of advertised tender value. The certified copy of three years Audited Balance Sheet and Income statement of just concluded year should be submitted as evidence.

The tenderer should have Registration No. for WCT/Service Tax/VAT/TIN/PAN in respective states where work is to be executed or the tenderer shall give the undertaking to submit the same on acceptance of tender in respective state where work is to be executed. Income tax clearance certificate also to be submitted.

- 1.3.4 Each section is to be treated as a separate tender for evaluation purposes and the tenderer need to have requisite technical and financial eligibility to qualify for multiple sections, if so quoted, and will be dealt accordingly.
- 1.3.5 Each section shall be treated as a separate tender. A bidder may quote for multiple section/tender.
- 1.3.5.1 Fulfillment of eligibility criteria as mentioned in the tender document is a pre-requisite for consideration of the offer of the tenderer. If a tenderer submits offers for more than one section, then the sum total of the credentials required for each section in which participated shall have to be fulfilled by the tenderer for qualifying in the sections participated.

The rates quoted by the tenderer in a section shall have no bearing on the rates quoted by him for any other section. Each section shall be treated as a separate tender and the tender will be finalized accordingly. For the purposes of arriving at the valid lowest rate, each section shall be considered as a separate entity. Separate tender document shall be used for each section

1.3.6 Engineering Organization

The tenderer shall depute required number of Engineers and experienced supervisors in the given section for planning, supervision and execution of the work. The qualification certificate and experience of these proposed personnel should be enclosed along with the bid duly self attested.

1.3.7 Construction and Maintenance Machinery

The tenderer should furnish the details of the machinery and plants of own to be deployed, in case the tenderer plans to use mechanized trenching.

1.4 Last date of Submission

The tender shall be received up to **15:00hrs on 28.03.2017** at the office of Executive Director, RailTel Corporation of India Ltd., Eastern Region, 3rdFloor, Chatterjee International Centre, 33A, Jawaharlal Nehru Road, Kolkata – 700 071.

1.5 Date of Opening of Tender

The tenders will be opened at **15:30hrson 28.03.2017** at the same address as mentioned in Para 1.10.

1.6 RailTel reserves the right:-

- a) To verify, if so desired, the correctness of documentary evidence furnished by the tenderer.
- b) To verify the successful operation and performance of qualifying projects and tenderer shall arrange permission for the same.
- c) To carry out capability assessment of the bidder(s) including referral to in-house Information.
- d) RailTel shall not be responsible for any delay in the receipt of tenders and reserves the right to accept/reject any or all tenders.

1.7 Work Load

The tenderer to submit the present work load of the telecom/related contracts in hand as per the format (Form No 9). The performance of the tenderer with regard to satisfactory execution of more than one contract simultaneously in the past shall be taken into account.

1.8 Validity of Offer

The tenderer shall keep the offer open for **90** (Ninety) days from the date of opening of tender. Within that period, the tenderer cannot withdraw his offer. This period can be extended further, if required, by mutual agreement from time to time. Anycontravention of the above condition will make the tenderer liable for forfeiture of hisEarnest Money.

1.9 Completion Period of Work:

The work is to be executed and completed within 30 (Thirty) days to 90 days (station wise completion period is given) from the date of issue of "Letter of Acceptance" for the accepted tender.

S/N	Name of Stations		Tender Notice No. :			
	Malda Town	60 Days				
	Durgapur	90 Days				
	New Farakka	60 Days	RailTel/Tender/OT/ER/HQ/2016-17/996, dt-			
1	Rampurhut	90 Days	01.03.2017			
	Siliguri	30 days				
	Alipurduar Jn	60 days				
	Digha	30 days				
	Balasore	60 days				
	Jharsuguda	90 Days				
	Khurda Road	60 Days				
2	Bhadrak	90 Days	RailTel/Tender/OT/ER/HQ/2016-17/997, dt			
_	Sambalpur	30 days	01.03.2017			
-	Vizianagaram	30 days				
	Palasa	60 days				
	Srikakulam	60 Days				
	Samastipur	60 Days				
	Danapur	30 days				
3	Parasnath	60 Days	RailTel/Tender/OT/ER/HQ/2016-17/998, dt			
3	Singrauli	30 days	01.03.2017			
	Mokama	90 Days				
	Katihar	60 days				
	Tinsukia	60 days				
	Jorhat Town	60 Days	76			
4	Barpeta Road	60 days	RailTel/Tender/OT/ER/HQ/2016-17/999, dt.			
4	Dimapur	60 days	01.03.2017			
-	Lumding	60 Days				
	Rangia	60 days				

1.10 The List of Address to which correspondence and documents Relating to the Contract should be sent:

Executive Director, RailTelCorporation of India Ltd., Eastern Region, 3rdFloor, Chatterjee International Centre, 33A, Jawaharlal Nehru Road, Kolkata – 700 071.Phone: 91 (33) 4400 9999. Fax 91 (33) 4400 9990.

1.11 Earnest Money and Cost of tender document

Tenderer shall deposit a sum as indicated (section wise) at Page 3 as earnest money and Cost of tender Document in the form of Bank Demand Draft drawn in favour of RailTel Corporation of India Limited payable at Kolkata, separately for each tender/section.

The tender not accompanied by Cost of Tender Document and Earnest Money as mentioned above will be summarily rejected.

1.11.1The Earnest Money should be in any of the following forms:-

Demand draft, Bankers cheque. These forms of earnest money should be issued

from any of the nationalized banks/Scheduled bank of India.

1.11.2The tenderers shall hold the offer open till such date as specified in Para 1.8 of the tender document. It being understood that the tender documents have been sold/issued to the tenderer and the tenderer has been permitted to tender in consideration of the stipulation onhis part that after submitting his tender he will not resile from his offer or modify the terms and conditions thereof in a manner not acceptable to RailTel. If the tenderer fails to observe or comply with the foregoing stipulation, the aforesaid amount deposited as Earnest Money shallbe liable to be forfeited by RailTel.

1.11.3 The Earnest money may be forfeited.

- a) If tenderer withdraws his/their tender during the period of tender validity specified in Para 1.8 of tender document.
- b) In the case of successful tenderer, If the tenderer fails to sign the contract in accordance with Para 5.2 of Special Conditions of Contract and to furnish Performance Bank Guarantee in accordance with Para 1.13 of tender document.
- 1.11.4 The Earnest money of unsuccessful tenderer will save as herein before provided, be returned within reasonable time to the unsuccessful tenderer but RailTel shall not be responsiblefor any loss or depreciation that may happen to the security for the due performance of the above stipulation to keep offer open for the period specified in the tender documents or to the Earnest Money while in their possession nor be liable to pay interest thereon.
- 1.11.5 If the tender is accepted, the amount of Earnest Money will be held as part of the security deposit for due and faithful fulfillment of contract.

1.12 Security Deposit

The amount of Earnest Money Deposit (EMD) of the successful tenderer shall be adjusted towards Security Deposit (SD) is (5% of the contract value). The balance SD amount will be recovered from the Contractor's "on account" bills @10% of bill amount till it reaches the 5% of contract value..

- i. Unless otherwise specified in the special conditions, if any, the rates for Deposit /rate of recovery/ mode of recovery shall be as under:
- (a) Security Deposit for each work should be 5% of the contract value.
- (b) The rate of recovery should be at the rate of 10% of the bill amount till the full security deposit is recovered.

- (c) Security Deposits will be recovered from the running bills of the contractor and no other mode of collecting SD such as SD in the form of instruments like BG, FD etc shall be accepted towards Security Deposit.
- ii. Security Deposit shall be returned to the contractor after the complete physical completion of the work in the section as certified by the competent authority & submission of PBG of 10% of annual maintenance cost in case of AMC. The competent authority shall normally be the authority who is competent to sign the contract.
- iii. No interest will be payable upon the Earnest Money and Security Deposit or amounts payable to the contractor under the Contract.

1.13 Performance Bank Guarantee

The successful bidder shall give a Performance Bank Guarantee in the form of an irrevocable bank Guarantee amounting to 5% of contract value for schedule as per Form No.4

- The successful bidder shall have to submit a Performance Bank Guarantee (PBG) within 15 (Fifteen) days from the date of issue of Letter of Acceptance (LOA). Extension of time for submission of PBG beyond 15 (Fifteen) days and up to 30 days from the date of issue of LOA may be given by the authority who is competent to sign the contract agreement. However, a penal interest of 15% per annum shall be charged for the delay beyond 30 (thirty) days, i.e. from 31st day after the date of issue of LOA. In case the contractor fails to submit the requisite PBG even after 60 days from the date of issue of LOA, the contract shall be terminated duly forfeiting EMD and other dues, if any, payable against that contract. The failed contractor shall be debarred from participating in retender for that work.
- ii) The Performance Bank Guarantee shall be submitted by the successful bidder after the Letter of Acceptance (LOA) has been issued, but before signing of the contract agreement. This P.B.G shall be initially valid up to stipulated date of completion plus 60 days beyond that. In case, the time for completion of work gets extended, the contractor shall get the validity of P.B.G. extended to cover such time for completion of work plus 60 days.
- iii) The value of P.B.G. to be submitted by the contractor will not change for variation up to + 25% (either increase or decrease). In case during the course of execution, value of the contract increases by more than + 25% of the original contract value, an additional Performance Bank Guarantee amounting to 5% (five percent) for the excess value over the original contract value shall be deposited by the contractor.
- iv). The Performance Bank Guarantee (PBG) shall be released after a period of 12 months since the day of issue of PAC of the last section of the work &

issue of Final Acceptance Certificate commencing immediately after completion of the work in the section, which will be enforceable by RailTel.

- 1.13.1 In case of Annual Maintenance contract, the successful bidder shall also give a performance bank guarantee in the form of an irrevocable bank guarantee amounting to 10% of annual maintenance contract value as per Form no. 4 on issue of Last PAC of the section.
 - i) PBG should be valid for 60 days beyond the mandate maintenance period of 1 year currency period. This PBG is to be submitted on issue of Last PAC to be eligible for being paid AMC charges.
 - ii) PBG for maintenance shall be released after "satisfactory completion of maintenanceperiod of one year"
 - 1.13.2 Whenever the contract is rescinded, the Security Deposit as received shall be forfeited and the Performance Bank Guarantee shall be encashed. The balance work shall be got done independently without risk and cost of the failed contractor. The failed contractor shall be debarred from participating in the tender for executing the balance work. If the failed contractor is a JV or a Partnership firm, then every member/partner of such a firm shall be debarred from participating in the tender for the balance work in his/her individual capacity or as a partner of any other JV/partnership firm.

1.14 Specifications

Reference of specifications of the important equipments and materials required for execution of the contract is given in the Technical Specification (of tender document). The work shall be executed in compliance with all the technical requirements given therein.

The work shall be carried out as per Instructions from RailTel's site incharge.

Drawings are indicative. In case of any mismatch or confusion between drawingsand technical specifications, technical specifications shall be final.Drawings are enclosed at Chapter 8.

1.15 Schedule of Requirement

The various items to be supplied and execution of the work by the tenderer for the section are indicated in Schedule of Requirement as in chapter 2 of this tender document. Payment of supplied items shall be done along with the payment of execution after the measurement certified by engineer in charge. The tenderer is advised to quote single percentage 'at par with /above/below the RailTel's total tendered cost of schedule of work'.

1.16 Work to be done by RailTel

- Making available Equipment room, space for fixing of racks, termination of OFC.
- ii) RailTel shall facilitate requisite letters etc. for RoW & other permissions as required for carrying out the work.

1.17 Materials to be supplied/arranged by RailTel

- i) 6U/9U Rack/Display unit
- ii) Ethernet Cable
- iii) UPS
- iv) Fiber Switches
- v) Access Switches
- vi) Wi-Fi Access Points

Contractor shall take the above materials from the nominated store of RailTel and keep the accountal of materials provided by RailTel for execution of work & if any defect shall be brought in to the notice of Engineer-incharge.

Contractor shall return unused balance quantity to nominated store of RailTel in good condition at his own cost. Reconciliation of materials shall be signed jointly by the contractor and RailTel'ssite engineer.

1.18 Materials to be supplied by Contractor

- i) All type of protection and clamping materials
- ii) Joint Chambers
- iii) Man holes
- iv) Route Indicators
- v) Optical fiber cable
- vi) FMS
- vii) HDPE Duct
- viii) Gl Pipe
- ix) Power supply copper cable, distribution box etc.
- x) PVC Conduit pipe& accessories
- xi) MCBs
- xii) Optical Patch cords
- xiii) Other items to meet end objective

Contractor shall supply & install the materials as mentioned above. The left over materials if any shall be the property of the contractor. The payment shall be done to the contractor as per actual installation at the site.

Tenderer's special attention is invited to the fact thatRailTel shall supply material as per Para 1.17.All other materials including the materials not specifically covered in the Schedule of Requirement but required to achieve the end objective are required to be supplied by the contractor.

1.19 Submission of Information:

The tenderer shall submit all the required information in the relevant forms attached tothis document and suitably numbering each page of the bid documents with a contentlist indicating availability of various documents with their serial numbers. In the absence of numbering of pages and the content list, there is a likelihood of anyimportant document going unnoticed for which the tenderer shall be solely responsible.

1.20 Warranty Support

The tenderer should submit their strategy for providing maintenance support during maintenance, warranty and post warranty as per Para 5.16 of tender document.

1.21 ON ACCOUNT PAYMENT

- 1.21.1 The Contractor shall be entitled to be paid from time to time by way of "On-Account" payment only for such works as in the opinion of the Engineer he has executed in terms of the contract. All payments due on the Engineer's or the Engineer's Representative's certificates of measurements shall be subject to any deductions which may be made under these presents and shall further be subject to, unless otherwise required by Para 1.12 of these conditions, a retention of ten (10%) percent by way of security deposits, until the amount of security deposit by way of retained earnest money and such retentions shall amount to 5% of the total value of the contract provided always that the Engineer may by any certificate make any correction or modification in any previous certificate which shall have been issued by him and that the Engineer may withhold any certificate if the works or any part thereof are not being carried out to his satisfaction.
- 1.21.2 Rounding off amounts: The total amount due shall be rounded off to the nearest rupee i.e. sums less than 50 paise shall be omitted and sums of 50 paise and more uptoRs. 1/- will be reckoned as Rs. 1/-.
- 1.21.3 On-Account Payments not prejudicial to final settlements: "On Account" payments made to the Contractor shall be without prejudice to the final making up of the accounts (except where measurement are specifically noted in the Measurement Book as "Final Measurements" and as such have been signed by the Contractor) and shall in no respect be considered or used as evidence of any facts stated in or to be inferred from such account not of any particular quantity of work having been executed not of the manner of its execution being satisfactory.

- 1.21.4 Manner of payment: Unless otherwise specified, payments to the Contractor will be made through RTGS as detailed by the contractor after deducting all & necessary statutory deductions..
- 1.21.5 On-Account Payment for work completed will be released after the Trenching, fixing of GI Pipe and other protective works, HDPE Duct laying, PVC conduit laying, Power cable laying, OFC blowingand back filling are completed/ OFC laying by Horizontal Directional Drilling in totality in each Railway stationof the section is completed, release of on-account payment will be considered.

1.21.6 PROGRESS PAYMENT FOR EXECUTIONOF WORK

On account progress payment after deducting statutory tax shall be made as per following criteria.

- 1.21.6.1 70% (Seventy percent) of On-Account/Progress payment shall be made after completion of the execution/ laying works in each Railway station of the Section as specifiedin clause-1.21.5 (i.e.for SOR Item nos.1-6) after due measurement to the satisfaction of Engineer.
- 1.21.6.2 Remaining 25% (Twenty five percent) payment for SOR Item nos. 1-6 as well as 95% (Ninety five percent) of SOR Item nos. 7-19 shall be made after final measurement, successful Acceptance Test of cable works and testing and commissioning of equipments.
- 1.21.6.3 Remaining 5%(Five percent) of the contract value shall be made after one year of warranty period & issue of Final Acceptance Certificate (FAC).
- 1.21.6.4 If Railway imposes any penalty on account of bad workmanship or delays, the same shall be charged to the contractor back to back.

Please submit your Bank details (Bank Name, Branch Name, Account number & IFS Code) and personal details (Name, Updated Postal address with PIN Code, email id & contact No.) alongwith the offer.

Chapter 2

SCHEDULE OF REQUIREMENTS

Wi-Fi at Malda Town, Durgapur, New Farakka, Rampurhat, Siliguri, Alipurduar Jn, Digha Railway Station

Ref: Tender No. RailTel/Tender/OT/ER/HQ/2016-17/996. Dt-01.03.2017

SOR sl no	Item Description	Unit	Rate	Quanti ty	Amount
1	Outdoor execution of open trench/ microtunnelling, back filling/ reinstatement of excavated soil after laying of duct. In normal case, Open trenching has to be done; however, the duct laying should be done in HDD method in places where open trench is not possible/ permissible. The work has to be carried out from RailTel/Railway PoP to platform entrance or near by FOB.	Mtr	123.91	3,770	467,141
2	Breaking of pucca area, platform, Laying of HDPE duct/GI Pipe, pulling of OFC insde duct/GI Pipe and concreting on top of duct/GI Pipe with surface finishing. This includes supply of 50 mm GI pipe, wherever required.	Mtr	502.27	860	431,952
3	Pulling/drawing of 24 Fibre unarmoured OFC in HDPE duct after laying of HDPE Duct in trench for item no.(1) or clamping of duct on wall/pole/in building/other areas. Splicing of OFC at mid section with provisioning of joint pit and 24F joint kit. All materials like Joint closure and RCC joint pit/brick chamber, any kind of protection materials as required at site, clamps, fittings, route markers (at 100 mtr. interval) have to be provided by the executing firm/agency. Supply of 24F OFC will be done against sl no. 14a.	Mtr	25.70	3,845	98,817
4	Pulling/drawing of 24 Fibre OFC, 3Core 6 sqmm copper cable seperately for OFC and power cable in 30 mm. PVC conduit pipe (Quantity of SOR S/N-4) in platform and concourse area. The work includes fixing of PVC conduits with suitable tie/clamps/ bends/ accessories/other installation materials required. All materials, like, 30 mm PVC conduit, with (clamps,tie, bends) etc and 3Core 6 sqmm (12 AWG, 1.21 KV grade) copper cable as per ISI Standard have to be provided by the executing firm/agency. Supply of 24F OFC will be done against sl no. 14b.	Mtr	224.73	5,050	1,134,887

5	Pulling/drawing of 6/12 Fibre OFC, 3Core 4 sqmm copper cable seperately for OFC and power cable and CAT 6 cable, if required(50 mtr per Island) in 25 mm. PVC conduit pipe(Quantity of SOR S/N-5) in platform and concourse area. The work includes fixing of PVC conduits with suitable tie/clamps/bends/ accessories/other installation materials required. All materials, like, 25 mm PVC conduit, with (clamps,tie, bends) etc, 3Core 4 sqmm (12 AWG, 1.21 KV grade) copper cable as per ISI Standard and CAT 6 cable have to be provided by the executing firm/agency. Supply of 6F & 12 F OFC will be done against sl no. 15 & 16.	Mtr	188.15	23,300	4,383,895
6	Provisioning & Installation of 10/16/32 A DP MCB of reputed make(Havels/L&T/Legrand/Siemens/GE/Anchor) with proper casing including provisioning of 63A/DP MCB (2 nos/station) and provisioning of Multiple MCB ACDB (01 no/station) as per ISI Standard in suitable PVC/Metallic Box with key arrangement for distribution of AC supply.	No	447.00	112	50,064
7	Fixing or mounting of Switch/router/ UPS/ display unit/ 6U/9U size Rack at suitable height on Wall, Pole. All sorts of Angles, Nuts, Bolts, Clamps and other accesoris required for installation to be supplied by Contractor for VSS/RDN work (Rack/display unit/router/ switch etc. supplied by RailTel)	No	2316.00	18	41,688
8	Overhead OFC laying with all fixing arrangement and supply of 6 core member strengthened unarmoured Single Mode Optical fiber of reputed make.	Mtr	40.00	900	36,000
9	Providing Earthing arrangement for Datacom equipment (Maintenance Free Telecom Earthing as Per drawing)	No	20633.19	7	144,431
10	Installation of Fiber/Access switches/UPS with proper earthing of rack/switches/UPS with 6sqmm green colour wire and Final Testing & Commissioning.	No	20633.19	7	144,431
11	Provisioning & Installation of 2*24/2*12 Fibre (SC type) FMS of reputed make(Raychem/TE connectivity/3M)for Fiber Switches with all required accessories (pigtails, connectors, patch panel etc.) and splicing (with less than 0.03dB loss per splice) of 2*24/2*12 Fibre Cable as per site requirement.	No	18529.41	17	314,993
12	Provisioning & Installation of 2*6 Fibre (SC type) FMS of reputed make (Raychem/TE connectivity/3M)for Access Switches with all required accessories(pigtails, connectors, patch pannel etc.) and splicing (with less than 0.03dB loss per splice) up to 2*12 Fibre as per site requirement.	No	4552.67	62	282,286

13	Supply of HDPE Duct 40/33 mm with Accessories for item no 1 and 2 as above.	Mtrs.	50.95	5,007	255,107
14a	Supply of 24 core metal strenghtened outdoor unarmoured OFC of reputed make for outside platform area for item no- 3.	Mtrs.	49.10	3770	185,107
14b	Same as above, but for inside platform area for item no-4.	Mtrs.	49.10	3250	159,575
15	Supply of 6 core metal strenghtened outdoor unarmoured OFC of reputed make for item no 5 as above	Mtrs.	9.73	6,400	62,272
16	Supply of 12 core metal strenghtened outdoor unarmoured OFC of reputed make for item no 5 as above	Mtrs.	21.00	5,600	117,600
17	Supply of SC - LC Patch Cord (3 Mtr.) (3M, TE Connectivity, R&M make only)	No	208.45	137	28,558
18	Supply of SC - SC Patch Cord (1 Mtr.), (3M, TE Connectivity, R&M make only)	No	254.77	68	17,324
19	Supply of SC - LC Patch Cord (1 Mtr.) (3M, TE Connectivity, R&M make only)	No	208.45	97	20,220
Total	(Excluding Sales Tax & service Tax as applicable)				83,76,338

(Rupees Eighty three lakhs seventy six thousand three hundred thirty eight only).

Above SOR is excluding of VAT/Sales Tax and Service Tax, but inclusive of all other rate and taxes as applicable from time to time.

Tenderer shall quote all inclusive rates (percent), but there should be break up of basic price and all type of applicable taxes including VAT/Sales Tax and Service tax.

Note: 1. The rate and amount shown in the Tender Document are rounded off to two decimal places. For calculation purpose actual decimal places will be taken into consideration.				
i.	I/We undertake to execute the work at % (in words: percent) (write 'at par with' or 'below' or 'above') the RailTel's total estimated cost of work as per schedule of work mentioned above.			
ii.	It is certified that I/We have inspected the site of work and acquainted myself or ourselveswith local conditions.			
iii	I/We have carefully gone through the specifications, additional special conditions etc. attached with the tender document.			
iv.	I/We undertake to keep this offer valid for period indicated in Tender document from the dateof opening of Tender and further not to revoke the same before the expiry of such period.			

Signature and Seal of the Tenderer

Note for	[a] Tenderer should quote single percentage rate in row (i) above only at par with/above/below the					
Guidance	RailTel's total estimated cost of work in the tender SOR.					
	[b] The single percentage rate should be quoted both in figures and words					
	[d] If none of the 'at par with'/'below'/'above' is mentioned by the tenderer in row (i) above, the					
	quoted single percentage will be treated below the RailTel's estimated cost of work.					

Wi-Fi at Balasore, Jharsuguda, Khurda Road, Bhadrak, Sambalpur, Vizianagaram, Palasa, Srikakulam Railway Station

Ref: Tender No. RailTel/Tender/OT/ER/HQ/2016-17/997 dtd01.03.2017.

SOR sl no	Item Description	Unit	Rate	Quantity	Amount
1	Outdoor execution of open trench/ microtunnelling, backfilling/ reinstatement of excavated soil after laying of duct. In normal case, Open trenching has to be done; however, the duct laying should be done in HDD method in places where open trench is not possible/ permissible. The work has to be carried out from RailTel/Railway PoP to platform entrance or near by FOB.	Mtr	179.05	5150	922,108
2	Breaking of pucca area, platform, Laying of HDPE duct/GI Pipe, pulling of OFC insde duct/GI Pipe and concreting on top of duct/GI Pipe with surface finishing. This includes supply of 50 mm GI pipe, wherever required.	Mtr	500.90	1130	566,017
3	Pulling/drawing of 24 Fibre unarmoured OFC in HDPE duct after laying of HDPE Duct in trench for item no.(1) or clamping of duct on wall/pole/in building/other areas. Splicing of OFC at mid section with provisioning of joint pit and 24F joint kit. All materials like Joint closure and RCC joint pit/brick chamber, any kind of protection materials as required at site, clams, fittings, route markers (at 100 mtr. interval) have to be provided by the executing firm/agency. Supply of 24F OFC will be done against sl no. 14a.	Mtr	28.78	5392	155,182
4	Pulling/drawing of 24 Fibre OFC, 3Core 6 sqmm copper cable seperately for OFC and power cable in 30 mm. PVC conduit pipe (Quantity of SOR S/N-4) in platform and concourse area. The work includes fixing of PVC conduits with suitable tie/clamps/ bends/ accessories/other installation materials required. All materials, like, 30 mm PVC conduit, with (clamps,tie, bends) etc and 3Core 6 sqmm (12 AWG, 1.21 KV grade) copper cable as per ISI Standard have to be provided by the executing firm/agency. Supply of 24F OFC will be done against sl no. 14b.	Mtr	223.93	6640	1,486,895

5	Pulling/drawing of 6/12 Fibre OFC, 3Core 4 sqmm copper cable seperately for OFC and power cable and CAT 6 cable, if required(50 mtr per Island) in 25 mm. PVC conduit pipe(Quantity of SOR S/N-5) in platform and concourse area. The work includes fixing of PVC conduits with suitable tie/clamps/bends/ accessories/other installation materials required. All materials, like, 25 mm PVC conduit, with (clamps,tie, bends) etc, 3Core 4 sqmm (12 AWG, 1.21 KV grade) copper cable as per ISI Standard and CAT 6 cable have to be provided by the executing firm/agency. Supply of 6F & 12 F OFC will be done against sl no. 15 & 16.	Mtr	188.46	29200	5,503,032
6	Provisioning & Installation of 10/16/32 A DP MCB of reputed make(Havels/L&T/Legrand/Siemens/GE/Anchor) with proper casing including provisioning of 63A/DP MCB (2 nos/station) and provisioning of Multiple MCB ACDB (01 no/station) as per ISI Standard in suitable PVC/Metallic Box with key arrangement for distribution of AC supply.	No	447.00	143	63,921
7	Fixing or mounting of Switch/router/ UPS/display unit/ 6U/9U size Rack at suitable height on Wall, Pole. All sorts of Angles, Nuts, Bolts, Clamps and other accesoris required for installation to be supplied by Contractor for VSS/RDN work (Rack/display unit/router/ switch etc. supplied by RailTel)	No	2316.00	25	57,900
8	Overhead OFC laying with all fixing arrangement and supply of 6 core member strengthened unarmoured Single Mode Optical fiber of reputed make.	Mtr	40.00	1251	50,040
9	Providing Earthing arrangement for Datacom equipment (Maintenance Free Telecom Earthing as Per drawing)	No	20633.00	8	165,064
10	Installation of Fiber/Access switches/UPS with proper earthing of rack/switches/UPS with 6sqmm green colour wire and Final Testing & Commissioning	No	20633.00	8	165,064
11	Provisioning & Installation of 2*24/2*12 Fibre (SC type) FMS of reputed make(Raychem/TE connectivity/3M etc.)for Fiber Switches with all required accessories (pigtails, connectors, patch pannel etc.) and splicing (with less than 0.03dB loss per splice) of 2*24/2*12 Fibre Cable as per site requirement.	No	18529.00	24	444,696
12	Provisioning & Installation of 2*6 Fibre (SC type) FMS of reputed make(Raychem/TE connectivity/3M etc.)for Access Switches with all required accessories (pigtails, connectors, patch pannel etc.) and splicing (with less than 0.03dB loss per splice) up to 2*12 Fibre as per site requirement.	No	4553.00	85	387,005

13	Supply of HDPE Duct 40/33 mm with Accessories for item no 1 and 2 as above.	Mtrs.	50.95	6,887	3,50,893
14a	Supply of 24 core metal strenghtened outdoor unarmoured OFC of reputed make for outside platform area for item no- 3.	Mtrs.	49.10	5,388	2,64,551
14b	Same as above, but for inside platform area for item no-4.	Mtrs.	49.10	4,590	2,25,369
15	Supply of 6 core metal strenghtened outdoor unarmoured OFC of reputed make for item no 5 as above	Mtrs.	9.73	10100	98,273
16	Supply of 12 core metal strenghtened outdoor unarmoured OFC of reputed make for item no 5 as above.	Mtrs.	21.00	4900	1,02,900
17	Supply of SC - LC Patch Cord (3 Mtr.) (3M, TE Connectivity, R&M make only)	No	208.45	196	40,856
18	Supply of SC - SC Patch Cord (1 Mtr.), (3M, TE Connectivity, R&M make only)	No	254.77	114	29,044
19	Supply of SC - LC Patch Cord (1 Mtr.) (3M, TE Connectivity, R&M make only)	No	208.45	134	27,932
	Total (Excluding Sales Tax & service Tax as applicable)				11,106,741

(Rupees One crore eleven lakhs six thousand seven hundred forty one only).

Above SOR is Excluding VAT/Sales Tax and Service Tax, but inclusive of all other rate and taxes. Tenderer shall quote all inclusive rates (percent), but there should be break up of basic price and all type of applicable taxes including VAT/Sales Tax and Service tax.

Note: 1. The rate and amount shown in the Tender Document are rounded off to two decimal places. For calculation purpose actual decimal places will be taken into consideration.					
i.	I/We undertake to execute the work at % (in words: percent) (write 'at par with' or 'below' or 'above') the RailTel's total estimated cost of work as per schedule of work mentioned above.				
ii.	It is certified that I/We have inspected the site of work and acquainted myself or ourselveswith local conditions.				
iii	I/We have carefully gone through the specifications, additional special conditions etc. attached with the tender document.				
iv.	I/We undertake to keep this offer valid for period indicated in Tender document from the dateof opening of Tender and further not to revoke the same before the expiry of such period.				

Signature and Seal of the Tenderer

	<u> </u>						
Note for [a] Tenderer should quote single percentage rate in row (i) above only at par with/above/bel							
Guidance RailTel's total estimated cost of work in the tender SOR.							
	[b] The single percentage rate should be quoted both in figures and words						
	[d] If none of the 'at par with'/'below'/'above' is mentioned by the tenderer in row (i) above, the						
	quoted single percentage will be treated below the RailTel's estimated cost of work.						

Wi-Fi at Samastipur, Danapur, Parasnath, Singrauli, Mokama, Katihar Railway Station Ref: Tender No. RailTel/Tender/OT/ER/HQ/2016-17/998 dtd. 01.03.2017

SOR sl no	Item Description	Unit	Rate	Quantity	Amount
1	Outdoor execution of open trench/microtunnelling, backfilling/ reinstatement of excavated soil after laying of duct. In normal case, Open trenching has to be done; however, the duct laying should be done in HDD method in places where open trench is not possible/ permissible. The work has to be carried out from RailTel/Railway PoP to platform entrance or near by FOB.	Mtr	269.47	3,390	913,503
2	Breaking of pucca area, platform, Laying of HDPE duct/GI Pipe, pulling of OFC insde duct/GI Pipe and concreting on top of duct/GI Pipe with surface finishing. This includes supply of 50 mm GI pipe, wherever required.	Mtr	497.40	900	447,660
3	Pulling/drawing of 24 Fibre unarmoured OFC in HDPE duct after laying of HDPE Duct in trench for item no.(1) or clamping of duct on wall/pole/in building/other areas. Splicing of OFC at mid section with provisioning of joint pit and 24F joint kit. All materials like Joint closure and RCC joint pit/brick chamber, any kind of protection materials as required at site, clams, fittings, route markers (at 100 mtr. interval) have to be provided by the executing firm/agency. Supply of 24F OFC will be done against sl no. 14a.	Mtr	27.02	3,458	93,435
4	Pulling/drawing of 24 Fibre OFC, 3Core 6 sqmm copper cable seperately for OFC and power cable in 30 mm. PVC conduit pipe (Quantity of SOR S/N-4) in platform and concourse area. The work includes fixing of PVC conduits with suitable tie/clamps/ bends/ accessories/other installation materials required. All materials, like, 30 mm PVC conduit, with (clamps,tie, bends) etc and 3Core 6 sqmm copper cable as per ISI Standard have to be provided by the executing firm/agency. Supply of 24F OFC will be done against sl no. 14b.	Mtr	203.70	6,320	1,287,384

5	Pulling/drawing of 6/12 Fibre OFC, 3Core 4 sqmm copper cable seperately for OFC and power cable and CAT 6 cable, if required(50 mtr per Island) in 25 mm. PVC conduit pipe(Quantity of SOR S/N-5) in platform and concourse area. The work includes fixing of PVC conduits with suitable tie/clamps/bends/ accessories/other installation materials required. All materials, like, 25 mm PVC conduit, with (clamps,tie, bends) etc, 3Core 4 sqmm copper cable as per ISI Standard and CAT 6 cable have to be provided by the executing firm/agency. Supply of 6F & 12 F OFC will be done against sl no. 15 & 16.	Mtr	188.55	23,400	4,412,070
6	Provisioning & Installation of 10/16/32 A DP MCB of reputed make(Havels/L&T/Legrand/Siemens/GE/Anchor) with proper casing including provisioning of 63A/DP MCB (2 nos/station) and provisioning of Multiple MCB ACDB (01 no/station) as per ISI Standard in suitable PVC/Metallic Box with key arrangement for distribution of AC supply.	No	447.00	128	57,216
7	Fixing or mounting of Switch/router/ UPS/display unit/ 6U/9U size Rack at suitable height on Wall, Pole. All sorts of Angles, Nuts, Bolts, Clamps and other accesoris required for installation to be supplied by Contractor for VSS/RDN work (Rack/display unit/router/ switch etc. supplied by RailTel)	No	2316.00	18	41,688
8	Overhead OFC laying with all fixing arrangement and supply of 6 core member strengthened unarmoured Single Mode Optical fiber of reputed make.	Mtr	40.00	6	240
9	Providing Earthing arrangement for Datacom equipment (Maintenance Free Telecom Earthing as Per drawing)	No	20633.00	6	123,798
10	Installation of Fiber/Access switches/UPS with proper earthing of rack/switches/UPS with 6sqmm green colour wire and Final Testing & Commissioning	No	20633.00	6	123,798
11	Provisioning & Installation of 2*24/2*12 Fibre (SC type) FMS of reputed make(Raychem/TE connectivity/3M etc.)for Fiber Switches with all required accessories (pigtails, connectors, patch pannel etc.) and splicing (with less than 0.03dB loss per splice) of 2*24/2*12 Fibre Cable as per site requirement.	No	18529.00	20	3,70,580
12	Provisioning & Installation of 2*6 Fibre (SC type) FMS of reputed make(Raychem/TE connectivity/3M etc.)for Access Switches with all required accessories (pigtails, connectors, patch pannel etc.) and splicing (with less than 0.03dB loss per splice) up to 2*12 Fibre as per site condition.	No	4553.00	70	3,18,710

13	Supply of HDPE Duct 40/33 mm with Accessories for item no 1 and 2 as above.	Mtrs.	50.95	4,661	2,37,478
14a	Supply of 24 core metal strenghtened outdoor unarmoured OFC of reputed make for outside platform area for item no- 3.	Mtrs.	49.10	3,390	1,66,449
14b	Same as above, but for inside platform area for item no-4.	Mtrs.	49.10	4,520	2,21,932
15	Supply of 6 core metal strenghtened outdoor unarmoured OFC of reputed make for item no 5 as above	Mtrs.	9.73	8,200	79,786
16	Supply of 12 core metal strenghtened outdoor unarmoured OFC of reputed make for item no 5 as above	Mtrs.	21.00	3,800	79,800
17	Supply of SC - LC Patch Cord (3 Mtr.) (3M, TE Connectivity, R&M make only)	No	208.45	156	32,518
18	Supply of SC - SC Patch Cord (1 Mtr.), (3M, TE Connectivity, R&M make only)	No	254.77	80	20,382
19	Supply of SC - LC Patch Cord (1 Mtr.) (3M, TE Connectivity, R&M make only)	No	208.45	100	20,845
То	tal (Excluding Sales Tax & service Tax as applicable)				9,049,272

(Rupees Ninety lakhs forty nine thousand two hundred seventy two only)

Above SOR is Excluding VAT/Sales Tax and Service Tax, but inclusive of all other rate and taxes. Tenderer shall quote all inclusive rates (percent), but there should be break up of basic price and all type of applicable taxes including VAT/Sales Tax and Service tax.

Note: 1. The rate and amount shown in the Tender Document are rounded off to two decimal places. For calculation purpose actual decimal places will be taken into consideration.					
i.	I/We undertake to execute the work at % (in words: percent) (write 'at par with' or 'below' or 'above') the RailTel's total estimated cost of work as per schedule of work mentioned above.				
ii.	It is certified that I/We have inspected the site of work and acquainted myself or ourselveswith local conditions.				
iii	I/We have carefully gone through the specifications, additional special conditions etc. attached with the tender document.				
iv.	I/We undertake to keep this offer valid for period indicated in Tender document from the dateof opening of Tender and further not to revoke the same before the expiry of such period.				

Signature and Seal of the Tenderer

Note for	[a] Tenderer should quote single percentage rate in row (i) above only at par with/above/below the						
Guidance	RailTel's total estimated cost of work in the tender SOR.						
	[b] The single percentage rate should be quoted both in figures and words						
	[d] If none of the 'at par with'/'below'/'above' is mentioned by the tenderer in row (i) above, the						
	quoted single percentage will be treated below the RailTel's estimated cost of work.						

Wi-Fi at Tinsukia, Jorhat Town, Barpeta Road, Dimapur, Lumding, Rangia Ref: Tender No. RailTel/Tender/OT/ER/HQ/2016-17/999 dtd. 01.03.2017

SOR sl no	Item Description	Unit	Rate	Quantity	Amount
1	Outdoor execution of open trench/ microtunnelling, backfilling/ reinstatement of excavated soil after laying of duct. In normal case, Open trenching has to be done; however, the duct laying should be done in HDD method in places where open trench is not possible/ permissible. The work has to be carried out from RailTel/Railway PoP to platform entrance or near by FOB.	Mtr	122.10	5,650	689,865
2	Breaking of pucca area, platform, Laying of HDPE duct/GI Pipe, pulling of OFC insde duct/GI Pipe and concreting on top of duct/GI Pipe with surface finishing. This includes supply of 50 mm GI pipe, wherever required.	Mtr	502.00	680	341,360
3	Pulling/drawing of 24 Fibre unarmoured OFC in HDPE duct after laying of HDPE Duct in trench for item no.(1) or clamping of duct on wall/pole/in building/other areas. Splicing of OFC at mid section with provisioning of joint pit and 24F joint kit. All materials like Joint closure and RCC joint pit/brick chamber, any kind of protection materials as required at site, clams, fittings, route markers (at 100 mtr. interval) have to be provided by the executing firm/agency. Supply of 24F OFC will be done against sl no. 14a.	Mtr	23.85	5,763	137,448
4	Pulling/drawing of 24 Fibre OFC, 3Core 6 sqmm copper cable seperately for OFC and power cable in 30 mm. PVC conduit pipe (Quantity of SOR S/N-4) in platform and concourse area. The work includes fixing of PVC conduits with suitable tie/clamps/bends/ accessories/other installation materials required. All materials, like, 30 mm PVC conduit, with (clamps,tie, bends) etc and 3Core 6 sqmm(12 AWG,1.21 grade) copper cable as per ISI Standard have to be provided by the executing firm/agency. Supply of 24F OFC will be done against sl no. 14b.	Mtr	259.80	2,960	769,008

5	Pulling/drawing of 6/12 Fibre OFC, 3Core 4 sqmm copper cable seperately for OFC and power cable and CAT 6 cable, if required(50 mtr per Island) in 25 mm. PVC conduit pipe(Quantity of SOR S/N-5) in platform and concourse area. The work includes fixing of PVC conduits with suitable tie/clamps/bends/ accessories/other installation materials required. All materials, like, 25 mm PVC conduit, with (clamps,tie, bends) etc, 3Core 4 sqmm(12AWG,1.21 grade) copper cable as per ISI Standard and CAT 6 cable have to be provided by the executing firm/agency. Supply of 6F & 12 F OFC will be done against sl no. 15 & 16.	Mtr	187.90	18,600	3,494,940
6	Provisioning & Installation of 10/16/32 A DP MCB of reputed make(Havels/L&T/Legrand/Siemens/GE/Anchor) with proper casing including provisioning of 63A/DP MCB (2 nos/station) and provisioning of Multiple MCB ACDB (01 no/station) as per ISI Standard in suitable PVC/Metallic Box with key arrangement for distribution of AC supply.	No	447.00	83	37,101
7	Fixing or mounting of Switch/router/ UPS/display unit/ 6U/9U size Rack at suitable height on Wall, Pole. All sorts of Angles, Nuts, Bolts, Clamps and other accesoris required for installation to be supplied by Contractor for VSS/RDN work (Rack/display unit/router/ switch etc. supplied by RailTel)	No	2316.00	14	32,424
8	Overhead OFC laying with all fixing arrangement and supply of 6 core member strengthened unarmoured Single Mode Optical fiber of reputed make.	Mtr	40.00	700	28,000
9	Providing Earthing arrangement for Datacom equipment (Maintenance Free Telecom Earthing as Per drawing)	No	20633.00	6	123,798
10	Installation of Fiber/Access switches/UPS with proper earthing of rack/switches/UPS with 6sqmm green colour wire and Final Testing & Commissioning	No	20633.00	6	123,798
11	Provisioning & Installation of 2*24/2*12 Fibre (SC type) FMS of reputed make(Raychem/TE connectivity/3M etc.)for Fiber Switches with all required accessories (pigtails, connectors, patch pannel etc.) and splicing (with less than 0.03dB loss per splice) of 2*24/2*12 Fibre Cable as per site requirement.	No	18529.00	12	222,348
12	Provisioning & Installation of 2*6 Fibre (SC type) FMS of reputed make(Raychem/TE connectivity/3M etc.)for Access Switches with all required accessories (pigtails, connectors, patch pannel etc.) and splicing (with less than 0.03dB loss per splice) up to 2*12 Fibre as per site requirement.	No	4553.00	47	2,13,991

13	Supply of HDPE Duct 40/33 mm with Accessories for item no 1 and 2 as above.	Mtrs.	50.95	6,681	3,40,397
14a	Supply of 24 core metal strenghtened outdoor unarmoured OFC of reputed make for outside platform area for item no- 3.	Mtrs.	49.10	5650	2,77,415
14b	Same as above, but for inside platform area for item no-4.	Mtrs	49.10	1560	76,596
15	Supply of 6 core metal strenghtened outdoor unarmoured OFC of reputed make for item no 5 as above	Mtrs.	9.73	4,200	40,866
16	Supply of 12 core metal strenghtened outdoor unarmoured OFC of reputed make for item no 5 as above	Mtrs.	21.00	5,400	113,400
17	Supply of SC - LC Patch Cord (3 Mtr.) (3M, TE Connectivity, R&M make only)	No	208.45	101	21,053
18	Supply of SC - SC Patch Cord (1 Mtr.), (3M, TE Connectivity, R&M make only)	No	254.77	48	12,229
19	Supply of SC - LC Patch Cord (1 Mtr.) (3M, TE Connectivity, R&M make only)	No	208.45	77	16,051
Total	(Excluding Sales Tax & service Tax as applicable)				71,12,271

(Rupees Seventy one lakhs twelve thousand two hundred seventy one only).

Above SOR is Excluding VAT/Sales Tax and Service Tax, but inclusive of all other rate and taxes. Tenderer shall quote all inclusive rates (percent), but there should be break up of basic price and all type of applicable taxes including VAT/Sales Tax and Service tax.

Not	e: 1. The rate and amount shown in the Tender Document are rounded off to two decimal places. For calculation purpose actual decimal places will be taken into consideration.
i.	I/We undertake to execute the work at % (in words: percent) (write 'at par with' or 'below' or 'above') the RailTel's total estimated cost of work as per schedule of work mentioned above.
ii.	It is certified that I/We have inspected the site of work and acquainted myself or ourselveswith local conditions.
iii	I/We have carefully gone through the specifications, additional special conditions etc. attached with the tender document.
iv.	I/We undertake to keep this offer valid for period indicated in Tender document from the dateof opening of Tender and further not to revoke the same before the expiry of such period.

Signature and Seal of the Tenderer

Note for	[a] Tenderer should quote single percentage rate in row (i) above only at par with/above/below the
Guidance	RailTel's total estimated cost of work in the tender SOR.
	[b] The single percentage rate should be quoted both in figures and words
	[d] If none of the 'at par with'/'below'/'above' is mentioned by the tenderer in row (i) above, the quoted
	single percentage will be treated below the RailTel's estimated cost of work.

Tentative Quantities for individual items as per SOR sl nos (For item no. 8, the quantities will be operated as per site requirement & with the approval of Project Incharge)

RailTel/Tender/OT/ER/HQ/2016-17/996. dtd. 01.03.2017

SOR sl no.	Unit	Malda Town	Durgapur	New Farakka	Rampurhut	Siliguri	Alipurduar Jn	Digha	Total
1	Mtr	640	710	0	690	360	1370	0	3,770
2	Mtr	150	150	80	100	200	100	80	860
3	Mtr	653	724	0	704	367	1397	0	3,845
4	Mtr	1,290	1,290	200	200	1,670	200	200	5,050
5	Mtr	3,900	3,900	2,700	2,700	4,700	2,700	2,700	23,300
6	No	25	25	9	10	24	10	9	112
7	No	3	3	2	2	4	2	2	18
9	No	1	1	1	1	1	1	1	7
10	No	1	1	1	1	1	1	1	7
11	No	4	4	1	1	5	1	1	17
12	No	13	13	6	7	10	7	6	62
13	Mtrs.	857	928	112	836	632	1530	112	5,007
14	Mtrs.	1,630	1,700	0	690	1,630	1,370	0	7,020
15	Mtrs.	1,700	1,700	200	200	2,200	200	200	6,400
16	Mtrs.	300	300	1200	1200	200	1200	1200	5,600
17	No	30	30	11	12	31	12	11	137
18	No	16	16	4	4	20	4	4	68
19	No	18	18	11	12	15	12	11	97

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SOR sl no.	Unit	Balasore	Jharsug uda	Khurda Road	Bhadrak	Samb alpur	Viziana geram	Palasa	Srikakula m	Total
1	Mtr	600	1100	1600	500	550	0	0	800	5,150
2	Mtr	150	150	250	100	130	150	100	100	1,130
3	Mtr	612	1122	1632	510	600	100	0	816	5,392
4	Mtr	870	1,290	2,050	200	800	1030	200	200	6,640
5	Mtr	3,900	3,900	6,300	2,700	3100	3700	2,700	2,900	29,200
6	No	25	25	35	10	13	17	9	9	143
7	No	3	3	5	2	4	4	2	2	25
9	No	1	1	1	1	1	1	1	1	8
10	No	1	1	1	1	1	1	1	1	8
11	No	4	4	6	1	3	4	1	1	24
12	No	13	13	19	7	9	12	6	6	85
13	Mtrs.	816	1326	1969	643	796	255	133	949	6,887
14	Mtrs.	1,170	2,090	3,150	500	1343	925	0	800	9,978
15	Mtrs.	1,700	1,700	2,700	200	1400	1900	200	300	10,100
16	Mtrs.	300	300	500	1200	200	0	1200	1200	4,900
17	No	30	30	44	12	24	34	11	11	196
18	No	16	16	24	4	20	26	4	4	114
19	No	18	18	24	12	20	20	11	11	134

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SOR sl no.	Unit	Samastipur	Danapur	Parasnath	Singrauli	Mokama	Katihar	Total
1	Mtr	1300	650	750	0	500	190	3,390
2	Mtr	200	150	150	100	100	200	900
3	Mtr	1326	663	765	0	510	194	3,458
4	Mtr	1,670	1,290	1,290	200	200	1,670	6,320
5	Mtr	5,100	3,900	3,900	2,700	2,700	5,100	23,400
6	No	30	25	25	9	9	30	128
7	No	4	3	3	2	2	4	18
9	No	1	1	1	1	1	1	6
10	No	1	1	1	1	1	1	6
11	No	5	4	4	1	1	5	20
12	No	16	13	13	6	6	16	70
13	Mtrs.	1591	867	969	133	643	459	4,661
14	Mtrs.	2,570	1,640	1,740	0	500	1,460	7,910
15	Mtrs.	2,200	1,700	1,700	200	200	2,200	8,200
16	Mtrs.	400	300	300	1200	1200	400	3,800
17	No	37	30	30	11	11	37	156
18	No	20	16	16	4	4	20	80
19	No	21	18	18	11	11	21	100

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SOR sl no.	Unit	Tinsukia	Jorhat Town	Barpeta Road	Dimapur	Lumding	Rangia	Total
1	Mtr	4400	50	0	0	1150	50	5,650
2	Mtr	150	80	100	100	150	100	680
3	Mtr	4488	51	0	0	1173	51	5,763
4	Mtr	870	200	200	200	1,290	200	2,960
5	Mtr	3,900	2,700	2,700	2,700	3,900	2,700	18,600
6	No	25	9	9	9	21	10	83
7	No	3	2	2	2	3	2	14
9	No	1	1	1	1	1	1	6
10	No	1	1	1	1	1	1	6
11	No	4	1	1	1	4	1	12
12	No	13	6	6	6	9	7	47
13	Mtrs.	4692	163	133	133	1377	184	6,681
14	Mtrs.	4,970	50	0	0	2,140	50	7,210
15	Mtrs.	1,700	200	200	200	1,700	200	4,200
16	Mtrs.	300	1200	1200	1200	300	1200	5,400
17	No	30	11	11	11	26	12	101
18	No	16	4	4	4	16	4	48
19	No	18	11	11	11	14	12	77

CHAPTER - 3

INSTRUCTIONS TO TENDERERS AND

CONDITIONS OF TENDERING

CHAPTER - 3

INSTRUCTIONS TO TENDERERS AND CONDITIONS OF TENDERING

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CHAPTER-3

INSTRUCTIONS TO TENDERERS AND CONDITIONS OF TENDERING

3.1 GENERAL INSTRUCTIONS

- 3.1.1 Tender is invited by RailTel, Eastern Region, Kolkatafrom established and reliable contractors forthe work detailed in chapter 1.
- The Special Conditions of Contract, Instructions to Tenderers and Conditions of Tendering, Technical Specifications & Supplement, Preamble including Schedule of Requirements and all Annexure & Forms etc. shall, hereafter, be collectivelyreferredto as the "Tender documents". These regulations for Tender and Contracts shall be read in conjunction with the General Conditions of contract and shall be subject to modifications, additions or suppression, overwrite by Special conditions of contract and/or special specifications, if any, annexed to the tender document.

3.2 INTERPRETATIONS

The following terms wherever occurring in the tender document and wherever used throughout the execution of the work, shall, unless excluded by or repugnant to the context, have the meaning attributed thereto as follows:

- a) "CONTRACT" Means the Contract resulting from the acceptance by the Purchaser of this Tender whether in whole or in part.
- b) "CONTRACTOR" Means the successful Tenderer, i.e., the Tenderer whose Tender has been accepted either in whole or in part.
- c) "CONTRACTOR's REPRESENTATIVE" Shall mean a person in supervisory capacity who shall be so declared by the Contractor and who shall be authorized under a duly executed power of attorney to receive materials issued by the Purchaser to the Contractor for the works. He shall be responsible for proper execution of works at each or all places and shall take orders from Purchaser's Engineers and carry out the same.
- d) **ENGINEER-IN-CHARGE**" Shall mean an executive of RailTel in charge` of works and shall include the superior executives of RailTel. He is responsible for ensuring that all field works covered by the contract are carried out in accordance with approved designs, drawings & specifications and conditions of contract as agreedto.
- e) "ENGINEER" Shall mean the supervisor of RailTel in direct charge of theworks.
- f) "EQUIPMENT" Means all or any equipment considered necessary by the Purchaser's Engineers for satisfactory operation, as a whole, of the installations.

- g) "MONTH" Means any consecutive period of thirty days.
- h) "MATERIALS" Means all equipments, components, fittings and other materials including raw materials required to complete the work.
 - i) "PURCHASER" Means RailTel Corporation of India Limited, Eastern Region, 3rd Floor, Chatterjee International Centre, 33A, Jawaharlal Nehru Road, Kolkata 700 071
- j) "PURCHASER'S ENGINEER" Means the Executive Director of RailTel or successor who will decide all matters relating to design, manufacture, and installation and commissioning of the plant and equipment at site.
- k) "SUB-CONTRACTOR" Means an individual or a firm of Contractor or a Company registered under Indian Company Act or an approved supplier of materials to whom the Contractor sublets portions of the contract.
- "CONSIGNEE" Means the person specified in the Acceptance of Tender to whom Stores are to be delivered at the destination.
- m) "INSPECTING OFFICER" Means the person, or organization specified in the contract for the purpose of inspection of stores of work under the contract and includes his/their authorized representative.
- n) "RailTel" MeansRailTel Corporation of India Limited, Eastern Region, 3rd Floor, Chatterjee International Centre, 33A, Jawaharlal Nehru Road, Kolkata 700 071.
- o) "SITE" Means the areas to be taken up by the permanent works, together with any other area or areas as shall be determined by the Purchaser's Engineer, which may be placed at the disposal of the Contractor for the purpose of the contract and also such area or areas used for store yards, works yards or workshop in proximity of the works as the Purchaser's Engineer may have authorized as an extension of the site, irrespective of the terms and conditions under which they are occupied by the Contractor.
- p) "TENDERER" Means and includes any firm of engineers or Contractors or any company or body, corporate or otherwise, who submit the Tender which has been invited.
- "WORK OR WORKS" Means all or any of the items of the work for which the Tenderer /Contractor has Tendered/contracted according to the specifications, drawings and Annexure hereto annexed or to be implied there from, or incidental thereto or to be hereafter specified or required in such explanatory instructions and drawings, being in conformity with the original specifications, drawings, Annexure and schedules and also such instructions and drawings additional to the aforementioned as may from time to time be issued by the Purchaser's Engineer during the progress of the contracted work.

- r) "Expected risk": DELETED.
- s). "Near Relative": -

The near relatives of all RailTel Employees either directly recruited or on deputation are prohibited fromparticipation in tenders and execution of works in the different units of RailTel. The detailed guidelines in this regardare given in the following paragraphs: -

- t) The near relatives for this purpose are defined as:
 - * Members of a Hindu Undivided family,
 - * They are husband and wife,
 - * The one is related to the other in the manner as father, mother, son (s) & son's wife (daughter-in-law),daughter(s), & daughter's husband (son-in-law), brother(s) & brother's wife, sister(s) & sister'(s)husband (brother-in-law).
- As per Government of India's CCS Conduct rule 4, no Government servant shall in the discharge of his official duties deal with any matter or sanction any contract to any company or for any other person if any member of his family is employed in that company or firm or under that person or if he or any member of his family is interested in such matter or contract in any other manner and the Govt. Servant shall refer every such matter or contract to his official superior. This clause is applicable to all RailTel employees in view of this as soon as any RailTel employee becomes aware of the above aspect, he must intimate this to the prescribed authority.
- ii) The Company or firm or any other person is not permitted to tender for works in RailTel Unit in which his near relative(s) is (are) posted. Thetender/work will be cancelled and earnest money/security deposit will be forfeited at any stage whenever it is so noticed. The department will not pay any damages to the company or firm or the concerned person. The company or firm or the person will also be debarred for further participation in the concerned unit.
- u) "WRITING" Includes all matters written, typewritten or printed either in whole or in part.
- v) "Constructional Plant" shall mean all appliances or things of whatsoever nature required for the execution, completion or maintenance of the works or the temporary works (as hereinafter defined) but do not include materials or other things intended to form or forming part of the permanent work. (i) "Temporary Works" shall mean all temporary works of every kind required for the execution, completion and/or maintenance of the works. (ii) "Period of maintenance" shall mean the specified period of the maintenance from the date of completion of the work as certified by the Engineer.

- w) Singular and Plural: Works importing the singular number shall also include the plural and vice versa where the context requires.
- x) Headings & marginal headings: The headings and marginal headings in these general conditions are solely for the purpose of facilitating reference and shall not be deemed to be part thereof or be taken into consideration in the interpretation or construction thereof or the contract.

3.3 LOCAL CONDITIONS

- 3.3.1 It will be imperative on each tenderer to fully acquaint him with all the local conditions and factors which would have any effect on the performance of the contract and cost of the stores. The purchaser shall not entertain any request for clarifications from the tenderer regarding such local conditions. No request for the change of price or time schedule of delivery of works/stores shall be entertained after the offer is accepted on account of any local condition or factor.
- 3.3.2 The intending tenderer is advised to study the tender document carefully. Any submission of a quotation by the tenderer shall be deemed to have been done after a careful study and examination of these documents with full understanding of the implication thereof. These conditions and specifications shall be deemed to have been accepted unless otherwise, specifically commented upon by the Tenderer in his quotation. Failure to adhere to anyone or all these instructions may render his offer liable to be ignored without any reference.
- 3.3.3 Should a tenderer find discrepancies in, or omission from, the drawings or any of the Tender documents or he has any doubt to their meaning, he should at once notify the RailTel who may send a written clarification to all Tenderers.

3.4 COMPLIANCE TO TENDER CONDITIONS, SPECIFICATIONS & DRAWINGS

- 3.4.1 The tenderer shall indicate Paragraph by Paragraph for each section of the tender document that either his tender complies in every respect with the requirements of each clause and sub clause or if not, precisely how they differ from the requirements of the tender. In later case, the tenderer shall enclose a separate statement as per proforma given, indicating only the deviations for any clause or sub clause of Special Conditions of Contract, Instructions to Tenderers and Conditions of Tendering, etc. which he proposes with justifications for Specifications. Preamble proposed. The purchaser reserves the right to accept or reject deviations these deviations and his decision thereon shall be final (see Form 5).
- 3.4.2 Thematerial offered and execution of work shall be in accordance with the drawings and specifications. Details of variation from the drawings and specifications, if any, should be clearly indicated separately for each annexure with justification for deviations proposed. The Purchaser

reserves the right to accept or reject these deviations and his decision thereon shall be final.

- 3.4.3 Firms should give details of similar works carried out giving details of the name of the project, date of award, length of the section, value of the contract, the original execution period and the actual execution time taken.
- 3.4.4 The tenderer should serially number all the pages of the bid

3.5 **SUBMISSION OF OFFERS**

- 3.5.1 All offers in the prescribed formsshould be submitted before the time and date fixed for the receipt of the offers. Offers received after the stipulated time and date will be summarily rejected.
- 3.5.2 In case the date of opening happens to be a holiday, the tender will be received and opened at the same time on the next working day.
- 3.5.3 All offers shall be either type written or written neatly in indelible ink in English. Each page of the offer must be numbered consecutively. A reference to total number of pages comprising the offer must be made at the top right hand corner of the top page. The supporting documents should be submitted either in original or duly signed by the authorized signatory of the tenderer. The original documents shall be produced for verification when called for.

3.5.4 Quote in Figures and Words

All prices and other information like discounts etc. having a bearing on the priceshall be written both in figures and in words in the prescribed offer form. The tenderer is advised to quotesingle percentage rate at par/below/above of the RailTel's total estimated cost for schedule of work. Incase of difference in words and figures the amount written in words shall be taken into consideration. In case the schedule of requirement quoted by tenderer is incomplete with reference to tender document, the offer is liable to be rejected.

Tenderer shall quote all inclusive rates, but there should be break up of basic price and all type of applicable taxes. Concessional rate of VAT/Sales Tax/Services Tax shall be charged and against this, Form C will be provided to the tenderer.

3.5.5 **Attestation of alterations**

No scribblingis permissible in the tender documents. Tender containing erasures and alterations in the tender documents are liable to be rejected. Any correction made by the tenderer/ tenderers in his/their entries must be signed (not initialed) by him/them.

3.5.6 Tender bid

The tender bid should be submitted in single cover. The envelop should bear the tender no., its description & date of closing. The original tender documents purchased from this office/ down loaded from web site shall be submitted with each page duly signed and stamped along with the original offer.Last page of Tender documents must bear full signature & office stamp of the tenderer.

Tender Bid: The tender bid shall consists of the following:-

- i) Offer letter complete (Form No.1)
- ii) Schedule of Requirements (SOR).
- iii) Earnest Money in prescribed form. (Para 1.11 of tender document)
- iv) Constitution of Firm and Power of Attorney (in case of partnership firm).
- v) Clause wise compliance to tender conditions by signing of each page of tender document & statement of deviations (Form No.5)
- vi) Similar works executed Form No. 13 (Page-88 of tender document)
- vii) User's Certificate Form No. 2 (Page-79 of tender document)
- viii) Any other information desired to be submitted by the tenderer.
- ix) Copy of registration/exemption certificate for EPF.
- x) Registration with labour commissioner
- xi) Service tax registration
- xvi) The present work load of the telecom/related contracts in hand as per the format (Form 9) (Para 1.7 of tender document).

3.6. CONSTITUTION OFFIRM AND POWER OF ATTORNEY

- 3.6.1 Anyindividual(s) signingthe tender or other documentsconnected therewith should specify whether he is signing:-
- (a) As sole proprietor of the concern or as attorney of the sole proprietor;
- (b) As a partner or partners of the firm;
- (c) Asa Director, Manager or Secretary in the case of Limited Company duly authorized by a resolution passed by the Board of Directors or in pursuance of the authority conferred by Memorandum of Association.
- 3.6.2 In the case of a firm not registered under the Indian Partnership Act, all the partners or the attorney duly authorized by all of them should sign the tender and all other connected documents. The original Power of Attorney or other documents empowering the individual or individuals to sign should be furnished to the Purchaser for verification, if required.
- 3.6.3 The RailTelwill not be bound by Power of Attorney granted by the tenderer or by the changes in the composition of the firm made subsequent to the execution of the contract agreement.
- 3.6.4 In case where the Power of Attorney partnership deed has not been executed in English, the true and authenticated copies of the translation of the same by Advocate, authorized translators of Courts and Licensed Petition Writers should be supplied by the Contractor(s) while tendering for the work.

3.6.5 The duly notarized Power of Attorney, Partnership Deed, Memorandum of Joint Venture as the case may be in original or duly signed which is subject to legal vetting by the CA of RCIL.

3.6.6 **CONSORTIUM BIDS**

- 3.6.6.1 In view of nature of work covered in the Bid documents, it is anticipated that some of the intending Tenders will pool their resources and experience to form consortia. In their own interest the tenders who form such consortia are advised to investigate capabilities, availability of resources, experienced personnel, financial soundness, past experience and concurrent engagements of constituting partners.
- 3.6.6.2 Consortia of tenders, if any, must clearly defined role / scope of work of each partner / member. Further the legal agreement for a consortium must accompany the bid and should clearly define the leader of such a consortium who will be the contractor and will be responsible for timely completion of work as also during execution of work, if awarded, coordinate with Purchaser on behalf of the consortium, receive payments for the works executed and be liable for due performance of the contract in all respect.
- 3.6.6.3 Qualification documents, details etc. must however, be provided for each member firm complete in all respects strictly in requisite proforma.
- 3.6.6.4 A consortium form will not be subject to alteration with regard to change in constituting firms and / or reorientation of roles. Any changes, if proposed by consortium to take advantage of certain developments during evaluation stage will render the bid liable to rejected. As all details are required to be furnished along with the bids will be critically examined during evaluation of bids, it is imperative that such details should have been thoroughly examined as a safeguard against a possible disqualification of bids on these grounds.
- 3.6.6.5 All partners of the consortium shall be jointly and severally liable to the purchaser for the execution of the entire contract in accordance with its terms.

3.7 RATES DURING NEGOTIATION

The tenderer/s shall not increase his/their quoted rates in case the RailTel Administration negotiates for reduction of rates. Such negotiations shall not amount to cancellation or withdrawal of the original offer and the rates originally quoted will be binding on the tenderer/s.

3.8 NON-TRANSFERABILITY AND NON-REFUNDABILITY

The tender documents are not transferable. The cost of tender documents is not refundable.

3.9 ERRORS, OMISSIONS & DISCREPANCIES

The Contractor(s) shallnot take any advantage of anymis-interpretation of the conditions due to typing or any othererror and if in doubt, shall bring it to the noticeofthe Engineerwithoutdelay. In case of any contradiction only the printedrules, and books should be followed and no claim forthe misinterpretation shall be entertained.

3.10 WRONG INFORMATION BY TENDERER

If the tenderer/s deliberately gives/give wronginformation in his/their tender which creates/create circumstances for the acceptance of his/their tender the RailTel reserves the right to reject such tender at any stage & EMD as submitted to be fortified.

3.11 AMENDMENT OF BID DOCUMENTS:

- 3.11.1 At any time, prior to the date for submission of bids, RailTel may, for any reason whether suo motto or in response to clarification requested by a prospective Bidder, modify the bid documents by amendments etc.
- 3.11.2The amendments shall be posted on website of RailTeland all bidders should download from website. These amendments will be binding on all bidders. RailTel shall make efforts to inform in writing or Fax to all prospective bidders on the address intimated at the time of purchase of bid documents from the RailTel.Those who are downloading tender document from website should download the clarification also and submit with the tender document.
- 3.11.3 In order to afford prospective bidders reasonable time to take the amendmentsinto account in preparing their bids, RailTelmay, at its discretion, extendthe deadline for the submission/opening of bids suitably.

3.12 EVALUATION OF OFFER

- 3.12.1 The authority for the acceptance of the tender rests with the Purchaser. The tenders received will be evaluated by the Purchaser to ascertain the best acceptable tender in the interest of the Purchaser.
- 3.12.2 However, the purchaser shall not be bound to accept the lowest or any tender. The purchaser reserves the right to accept any tender in respect of the whole or any portion of the work specified in the tender paper or to subdivide the work among different Tenderers or to reduce the work or to accept any tender for less than the tendered quantities.

3.13 AGREEMENT

The successful tenderer/s shall be required to execute an agreement with RailTel for carrying out the work as per the tender document.

In case of AMC, a separate agreement shall be executed for maintenance work.

3.14 TENDERER'S ADDRESS

Tenderershall state in the tender his valid postal address fully and clearly. Any communication sentto the tenderers by post at his said address shall be deemed to have reached the tenderer duly & timely, notwithstanding the fact that the communication could not reach the tenderer at all or in time for whatever reason. Important documents shall be sent by Registered Post.

CHAPTER - 4

GENERAL CONDITIONS

OF

CONTRACT

CHAPTER - 4

GENERAL CONDITIONS OF CONTRACT

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Chapter-4

GENERAL CONDITIONS OF CONTRACT

DEFINITIONS AND INTERPRETATION

4.1. Definitions:

4.1.1 The meaning of terms/interpretations shall be taken as defined in Chapter- 3(INSTRUCTIONS TO TENDERERS AND CONDITIONS OF TENDERING).

4.2. GENERAL OBLIGATIONS

- 4.2.1 Execution Co-relation and intent of contract documents: The contract documents shall be signed in triplicate by the RailTel and the Contractor. The contract documents are complementary, and what is called for by any one shall be as binding as if called of try all; the intention of the documents is to include all labour and materials, equipments and transportation necessary for the proper execution of work. Materials or work not covered by or properly inferable from any heading or class of the specifications shall not be supplied by the RailTel to the contractors unless distinctly specified in the contract documents. Materials or works described in words, which so applied, have a well-known technical or trade meaning shall be held to refer to such recognized standards.
- 4.2.2 If a work is transferred from the jurisdiction of one region of RailTel to another region or to a Project authority or vice versa while the contract is in subsistence, the contract shall be binding on the Contractor and the other region in the same manner & take effect in all respects as if the Contractor and the other region were parties thereto from the inception and the corresponding officer or the competent authority in the other region will exercise the same powers and enjoy the same authority as conferred to the Predecessor RailTel/Project under the original contract/agreement entered into.
- 4.2.3 If for administrative or other reasons the contract is transferred to the other region of RailTel the contract shall notwithstanding anything contained herein contrary thereto, be binding on the Contractor and the other region in the same manner and take effect in all respects as if the contractor and the other region had been parties thereto from the date of this contract.

4.3. Law governing the contract

- 4.3.1 The Contract shall be governed by the law for the time being in force in the Republic of India.
- 4.3.2 Compliance to regulations and bye-laws The Contractor shall conform to the provision of any statute relating to the works and regulations and bye-laws of any local authority and of any water and lighting companies or undertakings, with whose system the work is proposed to be connected and shall before making any variation from the drawings or the specifications that may be necessitated by so confirming give to the Engineer notice specifying the variation proposed to be made and the

reason for making the variation and shall not carry out such variation until he has received instructions from the Engineer in respect thereof. The Contractor shall be bound to give all notices required by statue, regulations or by laws as aforesaid and to pay all fees and taxes payable to any authority in respect thereof.

- **4.4. Communications to be in writing –** All notices, communications, references and complaints made by the RailTel or the Engineer or the Engineer's representative or the Contractor interest concerning the works shall be in writing and no notice, communication, references or complaint not in writing shall be recognized.
- 4.5. Service of Notices on Contractors The Contractor shall furnish to the Executive Director/RailTel the name, designation and address of his authorized agent and all complaints, notices, communications and references shall be deemed to have been duly given to the contract if delivered to the Contractor or his authorized agent or left at or posted to the address so given and shall be deemed to have been so given in the case of posting on day on which they would have reached such address in the ordinary course of post or on the day on which they were so delivered or left. In the case of contract by partners, any change in the constitution of the firm shall be forthwith notified by contractor to the Executive Director /RailTel.
- **4.6.** Occupation and use of land No land belonging to or in the possession of the Railway/RailTel shall be occupied by the contractor without the permission of the RailTel. The Contractor shall not use, or allow to be used, the site for any purposes other than that of executing the works.
- 4.7. Assignment or subletting of contract: The Contractor shall not assign or sublet the contract or any part thereof or allow any person to become interested therein in any manner whatsoever without the special permission in writing of the RailTel. Any breach of this condition shall entitle the RailTel to rescind the contract under Para 4.58 of these conditions and also render the contractor liable for payment to the RailTel in respect of any loss or damage arising or ensuring from such cancellation. Provided always that execution of the details of the work by petty contractor under the direct and personal supervision of the contractor or his agent shall not be deemed to be sub-letting under this clause. The permitted subletting of work by the contractor shall not establish any contractual relationship between the sub-contractor and the RailTel and shall not relieve the Contractor of any responsibility under the Contract.

4.8. Assistance by the RailTel for the stores to be obtained by the Contractor:

Owing to difficulty in obtaining certain materials (including Tools & Plants) in the market, RailTel may have agreed without any liability therefore, to endeavor to obtain or assist the Contractor in obtaining the required quantities of such materials as may be specified in the Tender. In the event of delay or failure in obtaining the required quantities of the aforesaid materials, the Contractor shall not be deemed absolved of his own responsibility and shall keep in touch with the day-to-day position regarding their availability and accordingly adjust progress of works including employment of labour and the RailTel shall not in any way be liable for the supply of materials or for the non supply thereof for any reasons whatsoever not for any loss or damage arising in consequence of such delay or non supply.

4.9. Railway Passes – No free Railway passes shall be issued byRailTel to the Contractor or any of his employee/worker.

- **4.10.** Carriage of materials No forwarding orders shall be issued by the RailTel for the conveyance of Contractor's materials, tools and plant by Rail which may be required for use in the works and the contractor shall pay full freight at public tariff rates therefore.
- Force Majeure Clause -If at any time, during the continuance of this Contract, the performance, in whole or part, by either party, of any obligation under this contract shall be prevented or delayed by reason of any war, hostility, act of the public enemy, Civil Commotion, Sabotage, Fires, Floods, Earth quakes, explosions, strikes, epidemics, quarantine restrictions, lockouts, any statute, statutory rules/ regulations, order of requisitions issued by any Government Department or Competent Authority of acts of God (here-in-after referred to as event) then provided notice of the happening of any such event is given by either party to the other within twenty one days from the date of occurrence thereof, neither party shall, by reason of such event, be entitled to terminate this Contract nor shall either party have any claim for damage against the other in respect of such non- performance or delay in performance, and the obligations under the Contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist, provided further that if the performance in whole or part of any obligation under this Contract is prevented or delayed by reason of any such event beyond a period as mutually agreed to by the RailTel and the Contractor after any event or 60 days in the absence of such an agreement whichever is more, either party may at its option terminate the Contract provided also that if the contract is so terminated under this clause the RailTel may at the time of such termination take over from the Contractor at prices as provided for in the contract, all works executed or works under execution.
- 4.12. Representation on Works The Contractor shall, when he is not personally present on the site of the works place, keep a responsible agent at the works during working hours who shall, on receiving reasonable notice, present himself to the Executive Director/RailTel and orders given by the Engineer or the Engineer's Representative to the agent shall be deemed to have the same force as if they had been given to the Contractor. Before absenting himself, the Contractor shall furnish the name and address of his agent for the purpose of this clause and failure on the part of the Contractor to comply with this provision at any time will entitle the RailTel to rescind the contract under Para 4.58 of these conditions.
- 4.13. Relics and Treasures All gold, silver, oil and other minerals of any description and all precious stones, coins, treasures, relics, antiquities and other similar things which shall be found in or upon the site shall be property of the RailTel and the Contractor shall duly preserve the same to the satisfaction of the RailTel and shall from time to time deliver the same to such person or persons as the RailTel may appoint to receive the same.
- 4.14. Excavated material The Contractor shall not sell or otherwise dispose of or remove except for the purpose of this contract, the sand, stone, clay ballast, earth, rock or other substances or materials which may be obtained from any excavation made for the purpose of the works or any building or produced upon the site at the time of delivery of the possession thereof but all the substances, materials, buildings, and produce shall be the property of the RailTel provided that the Contractor may, with the permission of the Regional General Manger/RailTel, use the same for the purpose of the works either free of cost or pay the cost of the same at such rates as may be determined by the Engineer.

4.15. Indemnity by Contractors – The Contract shall indemnify and save harmless the RailTel from and against all actions, suit proceedings, losses, costs, damages, charges, claims, and demands of every nature and description brought or recovered against the RailTel by reason of any act or omission of the Contractor, his agents or employees, in the execution of the works or in his guarding of the same. All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the actual loss or damage sustained, and whether or not any damage shall have been sustained.

4.16. Completion Period

- 4.16.1 Subject to any requirement in the contract as to completion of any portion or portions of the works before completion of the whole, the contractor shall fully and finally complete the whole of the works comprised in the contract (with such modifications as may be directed under conditions of this contract) by the date entered in the contract or extended date in terms of the following clauses:
- 4.16.1.1 If any modifications have been ordered which in the opinion of the Engineer have materially increased the magnitude of the work, then such extension of the contracted date of completion may be granted as shall appear to the Engineer to be reasonable in the circumstances, provided moreover that the Contractor shall be responsible for requesting such extension of the date as may be considered necessary as soon as the clause thereof shall arise and in any case not less than one month before the expiry of the date fixed for completion of the works.
- 4.16.1.2 If in the opinion of the Engineer the progress of work has any time been delayed by any act or neglect of RailTel's employees or by other contractor employed by the RailTel under Para 4.19.4 of these conditions or in executing the work not forming part of the contract but on which contractor's performance necessarily depends or by reason of proceeding taken or threat-tended by or dispute with adjoining or neighboring owners or public authority arising otherwise through the Contractor's own default etc. or by the delay authorized by the Engineer pending arbitration or in not having received consequences of_{-} the contractor in due necessaryinstructions from the RailTel for which he shall have specially applied in writing to the Engineer or his authorized representative then, upon happening of any such event causing delay, the contractor shall immediately give notice thereof in writing to the Engineer within 15 days of such happening but shall nevertheless make constantly his best endeavors to bring down or make good the delay and shall do all that may be reasonably required of him to the satisfaction of the Engineer to proceed with the works. The contractor may also indicate the period for which the work is likely to be delayed and shall be bound to ask for necessary extension of time. The engineer on receipt of such request from the contractor shall consider the same and shall grant such extension of time as in his opinion is reasonable having regard to the nature and period of delay and the type and quantum of work affected thereby. No other compensation shall be payable for works so carried forwarded to the extended period of time, the same rates, terms and conditions of contract being applicable as if such extended period of time was originally in the original contract itself.

- 4.16.1.3 In the event of any failure or delay by the RailTel to hand over the Contractor possession of the lands necessary for the execution of the works or to give the necessary notice to commence the works or to provide the necessary drawings or instructions or any other delay caused by the RailTel due to any other cause whatsoever, then such failure or delay shall in no way affect or vitiate the contract or alter the character thereof or entitle the contractor to damages or compensation therefore but in any such case, the RailTel may grant such extension or extensions of the completion date as may be considered reasonable.
- 4.16.2 Extension of time for delay due to contractor The time for the execution of the work or part of the works specified in the contract documents shall be deemed to be the essence of the contract. If the contractor fails to complete the works within the time as specified in the contract for the reasons other than the reasons specified in Para 4.11 and 4.16.1 above, the RailTel may, if satisfied that the works can be completed by the contractor within reasonable short time thereafter, allow the contractor further extension of time as the Engineer may decide. On such extension the RailTel will be entitled without prejudice to any other right and remedy available on that behalf, to recover from the contractor as agreed damages and not by way of penalty a sum equivalent to 0.5% of the contract value of the works for each week or part of the week for a period up to ten weeks and thereafter at the rate of 0.7% for each week of delay or part thereof for another ten weekssubject to a maximum of 12% of the contract value.
- 4.16.2.1 For the purpose of this clause, the contract value of the works shall be taken as value of work as per contract agreement including any supplementary work order/contract agreement issued. Provided also, that the total amount of liquidated damages under this condition shall not exceed 12% of the total value of the contract. Provided further, that if the RailTel is not satisfied that the works can be completed by the Contractor and in the event of failure on the part of the contractor to complete the work within further extension of time allowed as aforesaid, the RailTel shall be entitled, without prejudice to any other right or remedy available in that behalf, to appropriate the contractor's security deposit and rescind the contract under Para 4.58 of these conditions, whether or not actual damage is caused by such default.

4.17. Illegal Gratification

- 4.17.1 Any bribe, commission, gift or advantage given, promised or offered by or on behalf to the Contractor or his partner, agent or servant or anyone on his behalf, to any officer or employees of the RailTel, or to any person on his behalf in relation to obtaining or the execution of this or any other contract with the RailTel shall, in addition to any criminal liability which he may incur, subject the contractor to the rescission of the contract and all other contracts with the RailTel and to the payment of any loss or damage resulting from such decision and the RailTel shall be entitled to deduct the amounts so payable from any moneys due to the Contractor (s) under this contract or any other contracts with the RailTel.
- 4.17.2 The Contractor shall not lend or borrow from or have or enter into any monitory dealings or transactions either directly or indirectly with any employee of the RailTel and if he shall do so, the RailTel shall be entitled forthwith to rescind the contract an all other contracts with the RailTel. Any question or dispute as to the commission or any shall offence or compensation payable to the RailTel under this clause shall be settled by

the Executive Director ofRailTel, in such a manner as shall consider fit and sufficient and his decision shall be final and conclusive. In the event of rescission of the contract under this clause, the Contractor will not be paid any compensation whatsoever except payments for the work done up-to-date of rescission.

4.18. Execution of Works

- 4.18.1 Contractor's understanding It is understood and agreed that the Contract has, by careful examination, satisfied himself as to the nature and location of the work, the conformation of the ground, the character, quality and quantity of the materials to be encountered, the character of equipment and facilities needed preliminary to and during the progress of the works, the general and local conditions, the labour conditions prevailing therein and all other matters which can in any way affect the works under the contract.
- 4.18.2 Commencement of works The Contractor shall commence the works within 15 days after the receipt by him of an order in writing to this effect from the RailTel and shall proceed with the same with due expedition and without delay. The work should be started with due intimation to RailTel.

4.18.3 Accepted programme of work

The Contractor who has been awarded the work shall as soon as possible but not later than 7 days from the date of receipt of the acceptance letter in respect of contracts with initial completion period of 60 days or less or not later than 15 days for other contracts have to submit the detailed programme of work indicating the time schedule of various items of works in the form of Bar Chart/PERT/CPM. He shall also submit the details of organization (in terms of labour and supervisors) plant and machinery that he intends to utilize (from time to time) for execution of the work within stipulated date of completion. The programme of work amended as necessary by discussions with the Engineer, shall be treated as the agreed programme of the work for the purpose of this contract and the contractor shall and endeavor to fulfill this programme of work. The progress of work will be watched accordingly and the liquidated damages will be with reference to the overall completion date. Nothing stated herein shall preclude the contractor in achieving earlier completion of item or whole of the works than indicated in the programme.

4.18.4 Setting out of works

The Contractor shall be responsible for the correct setting out of all works in relation to original reference at his cost. The Contractor shall execute the work true to specifications, drawings, plans and dimensions as mentioned in the contract document and as directed by the Engineer's representative and shall check these at frequent intervals. The Contractor shall provide all facilities like labour and instruments and shall cooperate with the Engineer's representative at all time, during the progress of the works. Any error shall appear or arise in any part of the work, the Contractor, on being required so to do by the Engineer's representative shall, at his own rectify such errors, to the satisfaction of the Engineer's representative. Such checking shall not absolve the Contractor of his own responsibility of maintaining accuracy in the work.

4.19. Compliance to Engineer's Instructions

- 4.19.1 The Engineer shall direct the order in which the several parts of the works shall be executed and the Contractor shall execute without delay all orders given by the Engineer from time to time but the Contractor shall not be relieved thereby from responsibility for the due performance of the works in all respects.
- 4.19.2 **Alterations to be authorized** No alterations in or additions to or omissions or abandonment of any part of the works shall be deemed authorized, except under instructions from the Engineer, and the Contractor shall be responsible to obtain such instructions in each and every case in writing from the Engineer.

4.19.3 Extra Works

Should works over and above those included in the contract require to be executed at the site, the contractor shall have no right to be entrusted with the execution of such works, which may be carried out by another contractor or contractors or by other means at the sole discretion of the RailTel.

4.19.4 Separate Contracts in connection with works

The RailTel shall reserve the right to let other contracts in connection with the works. The Contractor shall afford other contractors reasonable opportunity for the storage of their materials and the execution of their works and shall properly connect and coordinate his work with theirs. If any part of the Contractor's work depends for proper execution or result upon the work of another contractor(s), the Contractor shall inspect and promptly report to the Engineer any defects in such works that render it unsuitable for such proper execution and results. The Contractor's failure so to inspect and report shall constitute as acceptance of the other contractor's work as fit and proper for the reception of his work, except as to defects which may develop in the other contractor's work after the execution of his work.

4.20. Instructions of Engineer's Representative

Any instructions or approval given by the Engineer's representative to Contractor in connection with the works shall bind the Contractor as though it had been given by the Engineer provided always as follows: -

- 4.20.1 Failure of the Engineer's representative to disapprove any work or materials shall not prejudice the power of the Engineer thereafter to disapprove such work or material and to order the removal or breaking up thereof.
- 4.20.2 If the Contractor shall be dissatisfied by reason of any decision of the Engineer's representative he shall be entitled to refer the matter to the Engineer who shall there upon confirm or vary such decision.

4.21. Adherence to specifications and drawings

4.21.1 The whole of the works shall be executed in perfect conformity with the specifications and drawings of the contract. If the Contractor performs any works in a manner contrary to the specifications or drawings or any of them and without such reference to the Engineer, he shall bear all the costs arising or ensuring there- from and shall be responsible for all loss to the RailTel.

4.21.2 Drawings and specifications on the works:

- 4.21.2.1 The contractor shall keep one copy of Drawings and specifications at the site, in good order, and such contract documents as may be necessary, available to the Engineer or the Engineer's Representative.
- 4.21.2.2 The supply of equipment and materials shall include supply of one set of printed documents from original equipment manufacturers with each equipment as given in technical supplement.
- 4.21.3 Ownership of Drawings and Specifications All drawings and Specifications and copies thereof furnished by the RailTel to the Contractor are deemed to be the property of the RailTel. They shall not be used in another works and with the exception of the signed contract set, shall be returned by the Contractor to the RailTel on completion of the work or termination of the Contract.
- 4.21.4 Compliance with Contractor's request for details The Engineer shall furnish with reasonable promptness, after receipt by him of the Contractor's request for the same, additional instructions by means of drawings of otherwise, necessary for the proper execution of the works or any part thereof. All such drawings and instructions shall be consistent with the Contract Documents and reasonably inferable there from.

4.21.5 Meaning and Intent of specification and drawings

If any ambiguity arises as to the meaning and intent of any portion of the Specifications and Drawings or as to execution or quality of any work or material, or as to the measurements of the works, the decision of the Engineer thereon shall be final subject to the appeal (within 7 days of such decision being intimated to the Contractor) to the competent authority in RailTel who shall have the power correct any errors, omissions, or discrepancies in aforementioned items and whose decision in the matter in dispute or doubt shall be final and conclusive.

4.22. Working during night

The Contractor shall not carry out any work between sunset and sunrise without the previous permission of the Engineer. Hence, no "night duty" shall be payable to the contractor for the portion/part of the works to be undertaken during the night.

4.23. Damage to Govt/RailTel property or private life and property

The Contractor shall be responsible for all risk to the works and for trespass and shall make good at his own expense all loss or damage whether to the works themselves or any other property of the Railways/RailTel or the lives, persons or property of others from whatsoever cause in connection with the works until they are taken over by the RailTel and this although all reasonable and proper precautions may have been taken by the Contractor, and in case the RailTel shall be called upon to make good any costs, loss or damages, or to pay any compensation, including that payable under the provisions of the Workmen's Compensation Act or any statutory amendments thereof to any person or persons sustaining damages as aforesaid by reason of any act, or any negligence or omissions on the part of the Contractor the amount of any costs or charges including costs and charges in connection with legal proceedings, which the RailTel

may incur in reference thereto, shall be charged to the Contractor. The RailTel shall have the power and right to pay or to defend or compromise any claim of threatened legal proceedings or in anticipation of legal proceedings being instituted consequent on the action or default of the Contractor, to take such steps as may be considered necessary or desirable to ward off or mitigate the effect of such proceedings, charging to Contractor, as aforesaid, any sum or sums of money which may be paid and any expenses whether for reinstatement or otherwise which may be incurred and the propriety of any such payment, defense or compromise, and the incurring of any such expenses shall not be called in question by the Contractor.

4.24. Sheds, Stores houses and Yards

The Contractor shall at his own expense provide himself with sheds, storehouses and yards in such situations and in such numbers as in the opinion of the Engineer is requisite for carrying on the works and the Contractor shall keep at each such sheds, store houses and yards a sufficient quantity of materials and plant in stock so as not to delay the carrying out of the works with due expedition and the Engineer and the Engineer's representative shall have free access to the said sheds, store houses and yards at any time for the purpose of inspecting the stock of materials or plant so kept in hand, and any materials or plant which the Engineer may object to shall not be brought upon or used in the works, but shall be forthwith removed from the sheds, store houses or yards by the contractor. The Contractor shall at his own expenses provide and maintain suitable mortar mills, soaking vats or any other equipments necessary for the execution of the works.

4.25. Provision of efficient and competent staff

The Contractor shall place and keep on the works at all times efficient and competent staff to give the necessary directions to his workmen and to see that they execute their work in sound and proper manner and shall employ only such supervisors, workmen and labourers in or about the execution of any of these works as are careful and skilled in various trades and callings. The Contractor shall at once remove from the works any agents, permitted sub -contractor, supervisor, workman or labourer who shall be objected to by the Engineer and if and whenever required by the Engineer, he shall submit a correct return showing the names of all staff and workmen employed by him. In the event of the Engineer being of the opinion that the Contractor is not employing on the works a sufficient number of staff and workmen as is necessary for the proper completion of the works within the time prescribed, the Contractor shall forthwith on receiving intimation to this effect take on the additional number of staff and labour specified by the Engineer within seven days of being so required and failure on the part of the Contractor to comply with such instructions will entitle the RailTel to rescind the contract under Para 4.58 of these conditions.

4.26. Workmanship and Testing

4.26.1 The whole of the works and/or supply of materials specified and provided in the contract or that may be necessary to be done in order to form and complete any part thereof shall be executed in the best and most substantial workman like manner with materials of the best and most approved quality of their respective kinds, agreeable to the particulars contained in or implied by the specifications and as referred to in and represented by the drawings or in such other additional

particulars. Instructions and drawings may be found requisite to be given during the carrying on of the works and to the entire satisfaction of the Engineer according to the instructions and directions, which the Contractors may from time to time receive from the Engineer. The materials may be subjected to tests by Mean of such machines, instruments and appliances as the Engineer may direct and wholly at the expense of the Contractor.

- 4.26.2 Removal of Improper work and materials The Engineer or the Engineer's representative shall be entitled to order from time to time.
- 4.26.2.1 The removal from the site within the time specified in the order of any materials, which in his opinion are not in accordance with the specifications or drawings.
- 4.26.2.2 The substitution of proper and suitable materials, and
- 4.26.2.3 The removal and proper re-execution, notwithstanding any previous tests thereof or "on account" payments therefore, of any work which in respect of materials or workmanship is not in his opinion in accordance with the specifications and in case of default on the part of the Contractor in carrying out such order the RailTel shall be entitled to rescind the contract under Para 4.58 of tender document of these conditions.

4.27. Facilities for Inspection

The Contractor shall afford the Engineer and the Engineer's Representative every facility for entering in and upon every portion of the work at all hours for the purpose of inspection or otherwise and shall provide all labour, materials, instruments, appliances and things of every kinds required for the purpose and the Engineer and the Engineer's representative shall at all time have free access to every part of the works and to all places at which materials for the work are stored or being prepared.

4.28. Examination of work before covering up

The Contractor shall give two days notice to the Engineer or the Engineer's Representative whenever any work or materials are intended to be covered up in the earth, in bodies or walls or otherwise to be placed beyond the Reach of Measurements in order that the work may be inspected or that correct dimension may be taken before being so covered, placed beyond the reach of measurement in default whereof, the same shall at the option of the Engineer or the Engineer's Representative be uncovered and measured at the contractor's expense or no allowance shall be made for such work or materials.

4.29. Temporary works

All Temporary works necessary for the proper execution of the works shall be provided and maintained by the Contractor and subject to the consent of the Engineer, shall be removed by him at his expenses when they are no longer required and in such manner as the Engineer shall direct. In the event of failure on the part of the Contractor to remove the temporary works, the Engineer will cause them to be removed and cost as increased by supervision and other incidental charge shall be recovered from the Contractor. If temporary huts are provided by the Contractor on the RailTel/Railway land for labour engaged by him and the work is completed but the contractor's labour refused to vacate and have to be removed

by the RailTel, necessary expenses incurred by the RailTel in connection therewith shall be borne by the Contractor.

4.30. Contractor to supply water for works

- 4.30.1 Unless otherwise provided in the contract, the contractor shall be responsible for arrangements to obtain supply of water for the works.
- 4.30.2 Contractor to arrange supply of Electric power for works.

4.30.3 Electric supply from the Railway system

RailTel may supply to the Contractor part or whole of the electric power wherever available and possible, required for execution of works from the Railway's existing electric supply systems at or near the site of works on specified terms and conditions and such charges as shall be determined by the RailTel and payable by the contractor provided the cost of arranging necessary connection to the Railway's Electric supply systems, and laying of underground/overhead conducts circuit protection, electric power meters, transmissionstructure, shall be borne by the Contractor and that the contractor shall not be entitled to any compensation or reason for delay for interruption or failure of the Electric supply system.

4.31. Precaution during progress of work

- 4.31.1 During the execution of works, unless otherwise specified the Contractor shall at his own cost provide the materials for and execute all shoring, timbering and strutting works as is necessary for the stability and safety of all structures, excavations and works and shall ensure that no damage, injury, loss is caused or likely to be caused to any person or property.
- 4.31.2 Roads and water courses: Existing roads or water courses shall not be blocked, cut through, altered, diverted or obstructed in any way by the Contractor, except with the permission of the Engineer. All compensations claimed for any authorized closure, or his agent or his staff shall be recoverable from the Contractor by deduction from any sums which may become due to him in terms of contract or otherwise according to law.
- 4.31.3 Provision of access to premises: During progress of work in any street or thoroughfare, the Contractor shall make adequate provision of the passage of traffic, for securing safe access to all premises approached from such street or thoroughfare and for any drainage, water supply or meant for lightning which may be interrupted by reason of the execution of the works and shall react and maintain at his own cost barriers, lights and other safeguards as prescribed by the Engineer, for the regulation of the traffic, and provide watchmen necessary to prevent accidents. The works shall in such cases be executed night and day if so ordered by the Engineer and with such vigour so that the traffic way be impeded for as short a time as possible.
- 4.31.4 Safety of Public: The Contractor shall be responsible to take all precautions to ensure the safety of the public or Railway/RailTel's property and shall post such look out men as may in the opinion of the Engineer be required to comply with regulations pertaining to the work.

4.32 Use of Explosives

Explosive shall not be used on the works or on the site by the Contractor without the permission of the Engineer and then only in the manner and to the extent to which such permission is given. Where explosives are required for the works, the same shall be stored in a special magazine to be provided by and at the cost of the Contractor in accordance with the Explosive Rules. The Contractor shall obtain the necessary license for the storage and the use of explosives and all operations in which or for which explosives are employed shall be at the sole risk and responsibility of the Contractor and the Contractor shall indemnify the Railway/RailTel in respect thereof.

4.33 Suspension of works

- 4.33.1 The Contractor shall on the order of Engineer suspend the progress of the works or any part thereof for such time or times and in such manner as the Engineer may consider necessary and shall during such suspension properly protect and secure the work so far as is necessary in the opinion of the Engineer. If such suspension is: -
 - (a) Provided for in the contract, or
 - (b) Necessary for the proper execution of the works or by the reason of act of God or by some default on the part of the Contractor, and or
 - (c) Necessary for the safety of the works or any part thereof.
- 4.33.2 The Contractor shall not be entitled to the extra costs, if any, incurred by him during the period of suspension of the works; but in the event of any suspension ordered by the Engineer for reasons other than aforementioned and when each such period of suspension exceeds 14 days, the Contractor shall be entitled to such extension of time for completion of the works as the engineer may consider proper having regard to the period or periods of such suspensions and to such compensations as the Engineer may consider reasonable in respect of salaries or wages paid by the Contractor to his employees during the periods of such suspensions.
- 4.33.3 Suspension lasting more than 3 month If the progress of the works or any part thereof is suspended on the order of the Engineer for more than three months at a time, the Contractor may serve a written notice on the Engineer requiring permission within 15 days from the receipt thereof to proceed with the works or that part thereof in regard to which progress is suspended and if such permission is not granted within that time the Contractor by further written notice so served may, but is not bound to, elect to treat the suspension where it affects part only of the works as an omission of such part or where it affects the whole of the works, as an abandonment of the contract by the RailTel.

4.34 Rates for items of works

The rates entered in the accepted Schedule Of Requirements of the Contract are intended to provided for works duly and properly completed in accordance with the general and special conditions of the contract and the specifications and drawings together with such enlargements, extensions, diminutions, reductions, alterations or additions as may be ordered in terms of Para 4.39 of these conditions and without prejudice to the generality thereof and shall be deemed to include and cover superintendence and labour, supply including full freight of materials, stores, tools and all apparatus and plant required on the works, except such tools, plant or materials as may be specified in the contract to be supplied to the Contractor by the

RailTel, the erection, maintenance and removal of all temporary works and buildings, all arrangements for the safety of the public or of employees during the execution of works, all sanitary and medical arrangements for labour camps as may be prescribed by the RailTel, the setting of all work and of the construction, repair and upkeep of all center lines, bench marks and level pegs thereon, site clearance, all fees, duties, royalties, rent and compensation to owners for surface damage or taxes and impositions payable to local authorities in respect of land, structures and all material supplied for the work or other duties or expenses for which the Contractor may become liable or may be put to under any provision of law for the purpose of or in connection with the execution of the contract, and all such other incidental charges or contingencies as may have been specially provided for in the specifications.

4.35 Demurrage and wharfage dues

4.35.1 Demurrage charges calculated in accordance with the scale inforce for the time being on the RailTel and incurred by the Contractor failing to load or unload any goods of materials within the time allowed by RailTel for loadings as also wharfage charges, of materials not removed in time as also charges due on consignments booked by or to him shall be paid by the Contractor, failing which such charges shall be debited to the Contractor's account in the hands of the RailTel and shall be deducted from any sums which may become due to him in terms of the contracts.

4.36 Rates for extra items of works

- 4.36.1 Any item of work carried out by the Contractor on the instructions of the Engineer which is not included in the accepted schedule of rates shall be executed at the rates set forth in the "Schedule Of Requirements' modified by the tender percentage and such items are not contained in the latter, at the rate agreed upon between the Engineer and the Contractor before the execution of such items of work and the contractors shall be bound to notify the Engineer at least seven days before the necessity arises for the execution of such items of works that the accepted Schedule Of Requirements does not include rate or rates for the extra work involved. The rates payable for such items shall be decided at the meeting to be held between the Engineer and Contractor, in as short a period as possible after the need for the special item has come to the notice. In case the Contractor fails to attend the meeting after being notified to do so or in the event of no settlement being arrived at, the RailTel shall be entitled to execute the extra works by other means and the contractor shall have no claim for loss or damage that may result from such procedure.
- 4.36.2 Provided that if the Contractor commences work or incurs any expenditure in regard thereto before the rates as determined and agreed upon as lastly hereunto fore mentioned, then and in such a case the Contractor shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the date of determination of the rates as aforesaid according to the rates as shall be fixed by the Engineer. However if the contractor is not satisfied with the decision of the Engineer in this respect he may appeal to the competent authority of RailTel within 30 days of getting the decision of the Engineer, supported by analysis of the rates claimed. The competent authority of RailTel's decision after hearing both the parties in the matter would be final and binding on the Contractor.

4.37 Handing over of works

- 4.37.1 The Contractor shall be bound to hand over the works executed under the contract to the RailTel complete in all respect to the satisfaction of the Engineer. The Engineer shall determine the date on which the work is considered to have been completed, in support of which his certificate shall be regarded as sufficient evidence for all purposes. The engineer shall determine from time to time, the date on which any particular section of the work shall have been completed, and the contractor shall be bound to observe any such determination of the Engineer.
- 4.37.2 Clearance of Site on Completion: On completion of the works the contractor shall clear away and remove from the site all constructional plant, surplus material, rubbish and temporary works of every kind and leave whole of the site and works clean and in a workman like condition to the satisfaction of the Engineer. No final payment in settlement of the accounts for the work shall be paid, held to be due or shall be made to the contractor till, in addition to any other condition necessary for such final payment, site clearance shall have been affected by him, and such clearance may be made by the Engineer at the expense of the Contractor in the event of his failure to comply with this provision within 7 days after receiving notice to that effect. It Should become necessary for the Engineer to have the site cleared at the expense of the Contractor, the RailTel shall not be held liable for any loss or damage to such of the Contractor's property as may be on the site and due to such removal there from which removal may be affected by means of public sales of such materials and property or in such a way as deemed for and convenient to the Engineer.

4.38 Variations in Extent of Contract

4.38.1 Modification to Contract to be in writing – In the event of any of the provisions of the Contract requiring to be modified after the contract documents have been signed, the modifications shall be made in writing and signed by the RailTel and the Contractor, and no work shall proceed under such modifications until this has been done. Any verbal or written arrangement abandoning, modifying, extending, reducing or supplementing the Contract or any of the terms thereof shall be deemed conditional and shall not be binding on the RailTel unless and until the same is incorporated in a formal instrument and signed by the RailTel and the Contractor and till then the RailTel shall have the right to repudiate such arrangement.

4.39 Powers of Modification to Contract

- 4.39.1 The Engineer on behalf of the RailTel shall be entitled by order in writing to enlarge or extend, diminish or reduce the works or make any alterations in their design, character, position, site quantities, dimensions or in the method of their execution or in the combination and use of materials for the execution thereof or to order any additional work to be done or any works not to be done and the Contractor will not be entitled to any compensation for any increase / reduction in the quantities of work but will be paid only for the actual amount of work done and for approved materials supplied against a specific order.
- 4.39.2 Unless otherwise specified in the special conditions of the contract, the accepted variation in quantity for each individual item of the contract would be up to ±25% of the quantity originally contracted. The contractor shall be bound to carry out the work at the agreed rates and shall not be entitled to any claim or any compensation,

whatsoever upto the limit of ±25% variation in quantity of individual items of works. In case of increase in quantity of an individual item by more than 25% of agreement quantity, for variation above 25% and up to 40%, the agreed SOR rate will be reduced by 2% and for variation beyond 40% and up to 50%, the agreed SOR rate will be reduced by 4%, For variation beyond 50%, the rate shall be negotiated for additional quantity in excess of 50% of agreement quantity.

4.39.3 Valuation of Variations— The enlargements, extensions, diminution, reduction, alterations or additions referred to in Para 4.39.2 this clause shall in no degree affect the validity of the contract but shall be performed by the Contractor as provided therein and be subject to the same conditions, stipulations and obligations as if they had been originally and expressively included and provided for in the specifications and drawings and the amounts to be paid therefore shall be calculated in accordance with the accepted Schedule Of Requirements. Any extra items/quantities of work falling outside the purview of the provisions of Para 4.39.2 above shall be paid for at the rates determined under Para 4.36 of these conditions.

4.40. Claims

- 4.40.1 **Monthly Statement of Claims** The contractor shall prepare and furnish to the Engineer once in every month an account giving full and detailed particulars of all claims for any additional expenses to which the Contractor may consider himself entitled to and of all extra or additional works ordered by the Engineer which he has executed during the preceding month and no claim for payment for and such work will be considered which has not been included in such particulars.
- 4.40.2 **Signing of "No Claim" Certificate** The Contractor shall not be entitled to make any claim whatsoever against the RailTel under or by virtue of or arising out of this contract, nor shall the RailTel entertain or consider any such claim, if made by the Contractor, after he shall have signed a 'No Claim' certificate in favour of the RailTel, in such form as shall be required by the RailTel, after the works are finally measured up. The Contractor shall be debarred from disputing the correctness of the items covered by "No Claim Certificate" or demanding a preference to arbitration in respect thereof.

4.41. MEASUREMENTS, CERTIFICATES AND PAYMENTS

Qualities in schedule annexed to Contract- The quantities set out in the accepted Schedule of Requirements with items of works quantified are the estimated quantities of the works and they shall not be taken as the actual and correct quantities of the works to be executed by the Contractor in fulfillments of his obligations under the contract.

4.42. Measurements of Works: The Contractor shall be paid for the works at the rates in the accepted Schedule Of Requirements and for extra works at rates determined under Para 4.39 of these conditions on the measurements taken by the Engineer or the Engineer's representative in accordance with the rules prescribed for the purpose by the RailTel. The quantities for items the unit of which in the accepted Schedule Of Requirements is 100 or 1000 shall be calculated to the nearest whole number, any fraction below half being dropped and half and above being taken as one; for item the unit of which in the accepted Schedule Of Requirements is single, the quantities shall be calculated to places of decimals. Such measurements will be taken of the work in progress from time to time and at such intervals as in the

opinion of the Engineer shall be proper having regard to the progress of works. The date and time on which "on account" or final measurements are to be made shall be communicated to the Contractor who shall represent at the site and shall sign the results of the measurements (which shall also be signed by the Engineer or the Engineer's representative) recorded in the official measurements book as an acknowledgement of his acceptance of the accuracy of the measurements. Failing the Contractor's attendance the work may be measured up in his absence and such measurements shall, not-withstanding such absence, be binding upon the Contractor whether or not he shall have signed the measurement book provided always that any objection made by him to measurement shall be duly investigated and considered in the manner set out below:

- (a) It shall be open to the Contractor to take specific objection to any recorded measurements or Classification on any ground within seven days of the date of such measurements. Any re-measurement taken by the Engineer or the Engineer's representative in the presence of the Contractor or in his absence after due notice has been given to him in consequences of objection made by the contractor shall be final and binding on the Contractor and no claim whatsoever shall thereafter be entertained regarding the accuracy and classification of the measurement.
- (b) If an objection raised by the Contractor is found by the Engineer to be incorrect, the Contractor shall be liable to pay the actual expenses incurred in measurements.

4.43. Maintenance of works:

The contractor shall at all times during the progress and continuance of the works and also for the period of warranty specified in the tender form and afterthe date of passing of the certificate of completion by the Engineer or any earlier date subsequent to the completion of the works that may be fixed by the Engineer be responsible for and effectively maintain and uphold in good substantial sound and perfect conditions all and every part of the work and shall make good form time to time and at all times as often as the Engineer shall require. Any damage or defect that may during the above period arise in or be discovered or be in any way connected with the works, provided that such damage or defect is not directly caused by errors in the contract documents, act of providence or insurrection or civil riot, and the Contractor shall be liable for and make good to the RailTel or other persons legally entitled thereto whenever required by the Engineer so to do, all losses, damage, costs and expenses they or any of them may incur or be put or be liable, by reason or in consequence of the operations of the contractor or of his failure in any respect. For this purpose the tenderer will submit their strategy for providing maintenance support including the staff that will be available along with the set of spares for attending to various faults/problems during maintenance period.

4.44 Certificate of Completion of works

4.44.1 As soon as in the opinion of the Engineer the works shall have been substantially completed in the Section and has satisfactorily passed any final test or tests that may be prescribed, the Engineer shall issue aProvisional Acceptance Certificate in respect of the works and period of warranty shall commence from the date of issue of Last Provisional Acceptance Certificate and completion of the work of whole

Section.Minor defects pointed out while issuing PACs shall be attended by the contractor within reasonable period of time to the satisfaction of Engineer.

4.44.2 Contractor not absolved by Provisional acceptance Certificate (PAC): The Certificate of completion in respect of the works referred to in Para 4.44.1 of this clause shall not absolve the Contractor from his liability to make good any defect, imperfection, shrinkages or faults which may appear during the period of maintenance specified in the tender arising in the opinion of the Engineer from materials or workmanship not in accordance with the drawing or specifications or instructions of the Engineer, which defect, imperfections, shrinkages or faults hall upon the direction in writing of the Engineer, be amended and made good by the Contractor at his own cost; and in case of default on the part of Contractor the Engineer may employ, labour and material or appoint another Contractor to amend and make good such defect, imperfections, shrinkages and faults and all expenses consequent thereon and incidental thereto shall be borne by the Contractor and shall be recoverable from any moneys due to him under the contract.

4.45. Approval only by Final Acceptance Certificate (FAC)

No certificate other than Final Acceptance Certificate referred to in Para 4.46 of the conditions shall be deemed to constitute approval of any work or other matter in respect of which it is issued or shall be taken as an admission of the due performance of the contract or any part thereof or of the accuracy of any demand made by the Contractor or of additional varied work having been ordered by the Engineer nor shall any other certificate conclude or prejudice any of the powers of the Engineers.

4.46. Final Acceptance Certificate:

- 4.46.1 The contract shall not be considered as completed until a Final Acceptance Certificate shall have been signed by the Engineer stating that the works have been completed and maintained to this satisfaction. The warranty certificate shall be given by the Engineer upon the expiration of the period of or as soon thereafter as any work ordered during such period pursuant to Para 4.44.2 of these conditions shall have been completed to the satisfaction of the Engineer and full effect shall be given to this Clause notwithstanding the taking possession of or using the works or any part thereof by the RailTel.
- 4.46.2 **Cessation of RailTel's Liability**: The RailTel shall not be liable to the Contractor for any matter arising of or in connection with the contract of the execution of the works unless the Contractor shall have made a claim in writing in respect thereof before the issue of the Maintenance Certificate (FAC) under this clause.
- 4.46.3 **Unfulfilled obligations** Notwithstanding the issue of the Maintenance Certificate the Contractor and (subject to Para 4.46.2) RailTel shall remain liable for the fulfillment of any obligation incurred under the provision of the contract prior to the issue of the maintenance Certificate which remains unperformed at the time such certificate is issued and for the purposes of determining the nature and extent of any such obligations the contract shall be deemed to remain in force between the parties thereto.

4.47. Final payment

- 4.47.1 On the Engineer's certificate of completion in respect of the works an adjustment shall be made and the balance of account based on the Engineer or the Engineer's representative's on the accepted schedule or rates and for extra works on rates determined under Para 4.36 of these conditions shall be paid to the Contractor subject always to any deduction which may be made under these presents and further subject to the Contractor having delivered to the Engineer either a full account in detail of all claims he may have on the RailTel in respect of the works or having delivered "No Claim" Certificate and the Engineer having after the receipt of such account given a certificate in writing that such claim are correct, that the whole of the works to be done under the provisions of the Contracts have been completed, that they have been inspected by him since their completion and found to be in good and substantial order, that all properties, works and things removed, disturbed or injured in consequence of the works have been property replaced and made good and all expenses and demands incurred by or made upon the RailTel for or in the respect of damage or good and all expenses and demands incurred by or made upon the RailTel for or in the respect of damage or good and all expenses and demands incurred by or made upon the RailTel for or in the respect of damage or loss by from kin consequence of the works, have been satisfied agreeably and in conformity with the contract.
- 4.47.2 Post payment Audit It is an agreed term of contract that the RailTel reserves to itself the right to carry out a post-payment audit and or technical examination of the works and the final bill including all supporting vouchers, abstracts, etc., and to make a claim on the contractor for the refund any excess amount paid to him if as a result of such examination any over-payment to him is discovered to have been made in respect of any work done or alleged to have been done by him under the contract.

4.47.3 Refund of PBG

The Performance bank Guarantee (PBG) shall be released after a period of 12 months & issue of Final Acceptance Certificate commencing immediately after completion of the work in the section, which will be enforceable by RailTelprovided that all the stipulations of the clause have been fulfilled by the Contractor and all claim and demands made against the RailTel for and in respect of damage or loss by, from or in consequence of the works have been finally satisfied, provided further that in the event of different maintenance periods having become applicable to different parts of the works pursuant to Para 4.44.1 of these condition, the expression "expiration of the period of warranty" shall for the purpose of this clause, be deemed to mean the expiry of the latest of such periods.

In case of AMC, PBG for maintenance shall be released after "satisfactory completion of maintenance period of one year.

4.47.4 Production of vouchers etc. by the Contractor

(i) For a contract of more than one crore of rupees, the contractor shall, whenever required, produce for examination by the Engineer any quotation, invoice, cost or other account, book of accounts, voucher, receipt letter, memorandum, paper of writing or any copy of or extract from any such document and also furnish

information and returns verified in such manner as may be required in any way relating to the execution of this contract or relevant for verifying or ascertaining cost of execution of this contract (the decision of the Engineer on the question of relevancy of any documents, information or return being final and binding on the parties.) The contractor shall similarly produce vouchers, etc., if required to prove to the Engineer, that materials supplied by him, are in accordance with the specifications laid down in the contract.

- (i) If any portion of the work in a contract of value more than one crore of rupees be carried out by thesub -contractor or any subsidiary or allied firm or company (as per Para 4.7 of the General Conditions of Contract), the Engineer shall have power to secure the book of such sub-contract or any subsidiary or allied firm or company, through the contractor, and such book shall be open to his inspection.
- (ii) The obligations imposed by Para 4.47.4 (i) and (ii) above is without prejudice to the obligations of the contractor under any statute rules or orders binding on the contractor.

4.48. Withholding and lien in respect of sums claimed

Whenever any claim or claims for payment of a sum of money arises out of or under the contract against the contractor, the RailTel shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any, deposited by the contractor and for the purpose aforesaid, the RailTel shall be entitled to withhold the said security deposit or the security if any. furnished as the case may be and also have a lien over the same pending finalization or adjudication of any such claim. In the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the contractor, the RailTel shall be entitled to withhold and have a lien to the extent of the such claimed amount or amounts referred to supra from any sum or sums found payable or which at any time thereafter may become payable to the contractor under the same contract or any other contract with this or any other RailTel or any Department of the Central Government pending finalization or adjudication of any such claim. It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above, by the RailTel's will be kept withheld or retained as such by the RailTel till the claim arising out of or under the contract is determined by the arbitrator (if the Contract is covered by the arbitration clause) or by the competent court as the case may be and that the contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to supra and duly notified as such to the contractor. For the purpose of this clause, where the contractor is a partnership firm or a limited company, the RailTel shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner/limited company, as the case may be whether in his individual capacity or otherwise.

4.48.1 Lien in respect of claims in Other Contracts – Any sum of money due and payable to the contractor (Including the security deposit returnable to him) under the contract may be withheld or retained by way of lien by the RailTel, against any claim of this or any other RailTel or any other Department of the Central

Government in respect of payment of a sum of money arising out of or under any other contract made by the contractor with this or any other Department of Central Government. It is an agreed term of the contract that the sum of money so withheld or retained under this clause by the RailTel will be kept withheld or retained as such by the RailTel till the Claim arising out of or under any other contract is either mutually settled or determined by arbitration, if the other contract is governed by arbitration clause or by the competent court as the case may be and contractor shall have no claim for interest of money withheld or retained under this clause and duly notified as such to the contractor.

4.49. Signature on Receipts for Amounts

Every receipt which may become payable or for any security which may become transferable to the Contractors under these presents, shall, if signed in the partnership name by any one of the partners of a Contractors firm be a good and sufficient discharge to the RailTel in respect of the moneys or security purported to be acknowledged thereby and in the event of death of any of the Contractor partners during the pendency of the contract it is hereby expressly agreed that every receipt by any one of the surviving Contractor partners shall if so signed as aforesaid be good and sufficient discharge as aforesaid provided that nothing in this clause contained shall be deemed to prejudice or effect any claim which the RailTel may hereafter have against the legal representative of any contractor partner so dying, for or in respect of any breach of any of the conditions of the contract, provided also, that nothing in this clause contained shall be deemed to prejudice or effect the respective rights or obligations of the Contractor partners and of the legal representative of any deceased Contractor partners interest.

4.50. **LABOUR**

- 4.50.1 Wages to Labour - The Contractor shall be responsible to ensure compliance with the provisions of the Minimum Wages Act, 1948 (hereinafter referred to as the "said Act") and the Rules made there-under in respect of any employees directly or through petty contractors or sub-contractors employed by him on road construction or in building operations or in stone breaking or stone crushing for the purpose of carrying out this contract. If in compliance with the terms of the contract, the contractor supplied any labour to be used wholly or partly under the direct orders and control of the RailTel whether in connection with any work being executed by the contractor or otherwise for the purpose of the RailTel such labour shall, for the purpose of this clause, still be deemed to be persons employed by the Contractor. If any moneys shall as a result of any claim or any claim or application made under the said Act be directed to be paid by the RailTel's, such moneys shall be deemed to be moneys payable to the RailTel by the Contractor and on failure by the Contractor to repay any moneys paid by it as aforesaid within seven days after the same shall have been demanded, the RailTel's shall be entitled to recover the same form any moneys due or accruing to the contractor under this or any other Contractor with the RailTel's.
- 4.50.2 **Apprentices Act** The Contractor shall be responsible to ensure compliance with the provisions of the Apprentices Act 1961 and the Rules and Orders issued thereunder from time to time in respect of apprentices directly through petty contractors or sub-contractors employed by him for purpose of carrying out the contract. If the

Contractor directly or through petty contractor or sub-contractors fails to do so, his failure will be a breach of the contract and the RailTel may, in its discretion, rescind the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation of the provisions of the Act.

4.51. Provisions of Payments of Wages Act

The Contractor shall comply with the provisions of the Payment of Wages Act, 1936 and the rules made thereunder in respect of all employees directly or through petty contractors or sub-contractors employed by him in the works. If in compliance with the terms of the contract, the contractor directly or through petty contractors or subcontractors shall supply any labour to be used wholly or partly under the direct orders and control of the Engineer whether in connection with the works to be executed hereunder or otherwise for the purpose of the Engineer such labour shall nevertheless be deemed to comprise persons employed by the contractor, and any moneys which may be ordered to be paid by the Engineer shall be deemed to be moneys payable by the Engineer on moneys due to the contractor in terms of the contract. The RailTel shall be entitled to deduct from any moneys due to the contractor (Whether under this contract or any other contract all moneys paid or payable by the RailTel by way of compensation of aforesaid or for costs of expenses in connection with any claim thereto and the decision of the Engineer upon any question arising out of the effect or force of this clause shall be final and binding upon the contractor.

- 4.51.1 Provision of Contract Labour (Regulation and Abolition) Act 1970 (1) The Contractor shall comply with the provision of the Contract Labour (Regulation and Abolition) Act 1970 and the Contract Labour (Regulation and Abolition) Act, Central Rules 1971 as modified from time to time, whenever applicable and shall also indemnify the RailTel 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 work and continue to have a valid license until the completion of the work. Any failure to fulfill this requirement shall attract the penal provision of the Contract arising out of the resultant non- execution of the work.
 - (3) The Contractor shall pay to the labour employed by him directly or through subcontractors 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, because to be paid the wages to labour indirectly engaged on the work including any engaged by his sub-contractors in connection with the said work, as if the labour had been immediately employed by him.
 - (4) In respect of all labour directly or indirectly employed in the work 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 RailTel is obliged to pay any amount of wages to a workmen employed by the contractor or his sub-contractor in execution of the work 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 in providing welfare and health amenities required to be provided under the aforesaid Act the Rules or to incur any expenditure on account of the contingent liability of the RailTel due to contractor's failure to fulfill his statutory obligations under the aforesaid Act or the Rules the RailTel 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 RailTel under section 20, sub-section (2) and section 2 sub - section (4) of the aforesaid Act, the RailTel 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 RailTel to the contractor whether under the contract or otherwise. The RailTel shall not be bound to contest any claim made against it under sub-section (1) 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 RailTel full security for all costs for which the RailTel might become liable in contesting such claim. The decision of the RailTel regarding the amount actually recoverable from the contractor as stated above, shall be final and binding on the contractor.

4.52. Reporting of Accidents to Labour

The Contractor shall be responsible for the safety of all employees directly or through petty contractors or sub-contractors employed by him on the works and shall report serious accidents to any of them however and wherever occurring on the works to the Engineer or the Engineer's Representative and shall make every arrangement to render all possible assistance.

4.53. Provisions of Workmen's Compensation Act

In every case in which by virtue of the provision of Section 12 sub-section (1) of the Workmen's Compensation Act, 1923, RailTel is obliged to pay compensation to a workman directly or through the petty Contractor employed by the Contractor or sub- contractor in executing the work, RailTel will recover from the contractor the amount of the compensation so paid, and, without prejudice to the right of RailTel under Section 12 sub-section (2) of the saidAct. RailTel shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by RailTel to the Contractor whether under these conditions or otherwise, RailTel shall not be bound to contest any claim made against it under Section 12, sub-section (1) of the said Act except on the written request of the Contractor and upon his giving to RailTel full security for all costs for which RailTel might become liable in consequence of contesting such claim.

4.54. RailTel not to provide quarters for Contractor

No quarters shall be provided by the RailTel for the accommodation of the contractor or any of his staff employed on the work.

4.55. Labour camps

(1) The Contractor shall at his own expense make adequate arrangements for the housing, supply of drinking water and provision of latrines and urinals for his staff and workman directly or through the petty contractors or sub-contractors and for temporary crèche (Bal-Mandir) where 50 or more women are employed at a time. Suitable sites on Railway/RailTel land, if available, may be allotted to the Contractor

for the erection of labour camps either free of charge or on such terms and conditions that may be prescribed by the RailTel. All camp sites shall be maintained in clean and sanitary conditions by the Contractor at his own cost.

(2) Compliance to Rules for Employment of Labour

The Contractor(s) shall conform to all laws, bye-laws, rules and regulations for the time being in force pertaining to the employment of local or imported labour and shall take all necessary precautions to ensure and preserve the health and safety of all staff employed directly or through petty Contractors or sub -contractors on the works.

- (3) **Preservation of Peace** The Contractor shall take requisite precautions and use his best endeavors to prevent any riotous or unlawful behavior by or amongst his workmen and others employed directly or through petty contractor or subcontractors on the works and preserve the health and safety of all staff employed directly or through petty Contractors or sub-contractors on the works.
- (4) Sanitary Arrangement The contractor shall obey all sanitary rules and carry out all sanitary measures that may time to time be prescribed by the RailTel Medical Authority and permit inspection of all sanitary arrangements at all times by the Engineer, the Engineer's Representative or the Medical Staff of the RailTel. Should the Contractor fail to make adequate sanitary arrangements, these will be provided by the RailTel and the cost therefore recovered from the contractor.
- (5) Outbreak of Infectious Disease The Contractor shall remove from his camp such labour and their families as refuse protective inoculation and vaccination when called upon to do so by the Engineer or the Engineer's Representative on the advice of the Railway/RailTel Medical Authority. Should Cholera, Plague or other infectious disease break out, the Contractor shall burn the huts, beddings, clothes and other belongings of or used by the infected parties and promptly erect new huts on healthy sites as required by the engineer, failing which within the time specified in the Engineer's requisition, the work may be done by the RailTel and the cost therefore recovered from the Contractor.
- (6) Treatment of Contractor's staff in Railway Hospitals Deleted
- (7) **Medical facilities at site** The contractor shall provide medical facilities at the site as may be prescribed by the engineer on the advice of the medical authority in relation to the strength of the contractor's resident staff, and workmen.
- (8) **Use of Intoxicants** The sale of ardent spirits or other intoxicating beverages upon the work or in any of the buildings, encampments or tenements owned, occupied by or within the control of the Contractor or any of his employees shall be forbidden and the Contractor shall exercise his influence and authority to the utmost extent to secure strict compliance with this condition.
- (9) **Non-employment of Female Labour** The contractor shall see that the employment of female labour in cantonment areas, particularly in the neighborhood of soldier's barracks, should be avoided as far as possible.

(10) Restrictions on the employment of retired Engineers of Railway/Govt. services within two years of their Retirement— The contractor shall not, if he is a retired government engineer of Gazetted rank, who has not completed two years from the date of retirement, in connection with his contract in any manner whatsoever without obtaining prior permission of the President and if the contractor is found to have contravened this provision, it will constitute a breach of contract Administration will be entitled to terminate the contract at the risk and cost of the contractor and forfeit his security deposit.

4.56. Non-Employment of Labourers below the age of 15

- (1) The Contractor shall not employ children below the age of 15 as labourers directly or through petty contractors or sub-contractors for the execution of work. To be checked.
- Medical Certificate of Fitness for Labour It is agreed that the contractor shall not employ a person above 15 and below 19 years of age for the purpose of execution of work under this contract unless a medical certificate of fitness in the prescribed from granted to him by a certifying surgeon certifying that he is fit to work as an adult is obtained and kept in the custody of the contractor or a person nominated by him in this behalf and the person carries with him, while at work, a token giving a reference to such certificate. It is further agreed that the responsibility for having the adolescent examined medically at the time of appointment or periodically till he attains the age of 19 years shall devolve entirely on the contractor and all the expense to be incurred on this account shall be borne by him and no fee shall be charged from the adolescent or his parent for such medical examination.
- (3) **Period of Validity of Medical Fitness Certificate** A certificate of fitness granted or renewed for the above said purposes shall be valid only for a period of one year at a time. The certifying surgeon shall revoke a certificate granted or renewed if in his opinion the holder of it is, no longer fit for work in the capacity stated therein. Where a certifying surgeon refuses to grant or renew a certificate or revoke a certificate, he shall, if so required by the person concerned, stated his reasons in writing for doing so.
- (4) Medical Re-examination of Labourer Where any official appointed in this behalf by the Ministry of Labour is of the opinion that any person employed in connection with the execution of any work under this contract in the age group 15- 19 years is without a certificate of fitness or is having a certificate of fitness but no longer fit to work in the capacity stated in the certificate, he may serve on the Contractor, or on the person nominated by him in this regard, a notice requiring that such person shall be examined by a certifying surgeon and such person shall not, if the concerned official so directs, be employed or permitted to do any work under this contract unless he has been medically examined and certificate of illness, as the case may be.

4.57. Determination of Contract

4.57.1 **Right of RailTel to determine the contract**: The RailTel shall be entitled to determine and terminate the contract at any time, should in the RailTel's opinion, the cessation of work becomes necessary owing to paucity of funds or from any

other cause whatever, in which case the value of approved materials at site and of work done to date by the Contractor will be paid for in full at the rate specified in the contract. Notice in writing from the RailTel of such determination and the reasons therefore shall be conclusive evidence thereof.

- 4.57.2 **Payment on determination of contract**: Should the contract be determined under Para 4.57.1 and the Contractor claims payment for expenditure incurred by him in the expectation of completing the whole of the work, the RailTel shall admit and consider such claims as are deemed reasonable and are supported by vouchers to the satisfactions of the Engineer. The RailTel's decision on the necessity and propriety of such expenditure shall be final and conclusive.
- 4.57.3 The contractor shall have no claim to any payment of compensation or otherwise, howsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of determination of contract.

4.58. TERMINATION OF CONTRACT OWING TO DEFAULT OF CONTRACTOR:

4.58.1(A)If the Contractor:

- (i) becomes bankrupt or insolvent, or
- (ii) make an arrangement with or assignment in favour of his creditors, or
- (iii) being a Company or Corporation, go into liquidation (other than voluntary), liquidation for the purpose of amalgamation or reconstruction, or
- (iv) have an execution levied on his goods or property on the works, or assign the contract or any part thereof otherwise than as provided in Para 5.9 of SCC, or
- (v) have an execution levied on his goods or property on the works, or assign the contract or any part thereof otherwise than as provided in Para 5.9 of SCC, or
- (vi) persistently disregard the instructions of the RailTel's Engineer with regard to work quality or progress during execution of work or contravene any provision of the contract, or
- (viii) fail to adhere to the agreed programme of work by a margin of 10% of the Stipulated period, or fail to remove materials from the site or to pull down and replace the work after receiving from the Engineer's notice to the effect that the said materials or works have been condemned or rejected, or
- (ix) fail to take steps to employ competent or additional staff and labour as required under Para 4.25 of tender document.
- (x) fail to afford the Engineer or Engineer's representative proper facilities for inspecting the works or any part thereof as required under Para 4.27 of tender document, or
- (xi) Promise offer or give any bribe, commission, gift or advantage either himself or through his partner, agent or servant to any officer or employee of RailTel or any person on his or on their behalf in relation to the execution of this or any other contract with the RailTel,
- (xii) At any time after the tender relating to the contract has been signed and submitted by the contractor, being a partnership firm admit as one of its partners or employ under it or being an incorporated company elect or nominate or allow to act as one of its directors or employ under it in any capacity whatsoever any retired engineer of the gazetted rank or any other retired gazetted officer working before his retirement, whether in the executive or administrative capacity, or whether holding any

pensionable post or not, in the Engineering Department of the Railways for the time being owned and administered by the President of India before the expiry of two years from the date of retirement from the said service of such Engineer or Officer unless such Engineer or Officer has obtained permission from the President of India or any officer duly authorized by him in this behalf to become a partner or a director or to take employment under the contract as the case may be, or

- (B) Fail to give at time of submitting the said tender:
- (a) The correct information as to the date of retirement of such retired engineer or retired officer from the said service, or as to whether any such retired engineer or retired officer was under the employment of the contractor at the time of submitting the said tender, or
- (b) the correct information as to such engineers or officers obtaining permission to take employment under the contractor, or
- (c) being a partnership firm the correct information as to, whether any of its partners was such a retired engineer or retired officer, or
- (d) being an incorporated company, the correct information as to, whether any of its directors was such a retired engineer or retired officer, or
- being such a retired engineer or retired officer suppress and not disclose at the time (e) of submitting the said tender the fact of his being such a retired engineer or a retired officer or make at the time of submitting the said tender a wrong statement in relation to his obtaining permission to take the contract or if the contractor be a partnership firm or an incorporated company to be a partner of director of such firm or company as the case may be or to seek employment under the contractor. Then and in any of these said clauses, the Engineer on behalf of the RailTel may serve the Contractor with a notice in writing to that effect and if the Contractor does not, within 7 days after the delivery to him of such notice, proceed to make good his default in so far as the same is capable of being made good and carry on the work or comply with such directions as aforesaid to the entire satisfaction of the Engineer, the RailTel shall be entitled after giving 48 hours notice in writing under the hand of the Engineer to rescind the contract as a whole or in part or parts (as may be specified in such notice) and adopt either or both the following courses: A final termination notice will be issued by RailTel after expiry of 48 hrs notice.

4.58.2 RIGHT OF RAILTEL AFTER TERMINATION OF CONTRACT OWING TO DEFAULT OF CONTRACTOR:

In the event of any or several of the courses, referred in Para 4.58.1 of tender document above, being adopted:

(a) The Contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any commitments or made any advances on account of or with a view to the execution of the works or the performance of the contract and Contractor shall not be entitled to recover or be paid any sum for any works thereto not actually performed under the contract, unless or until the Engineer shall have certified the performance of such work and the value payable in respect thereof and the Contractor shall only be entitled to be paid the value so certified.

- (b) The Engineer or Engineer's Representative shall be entitled to take possession of any materials, tools, implements, machinery or buildings on the works or on the property on which these are being or ought to have been executed, and to retain the (employ the same) in the further execution of the works or any part thereof until the completion of the works without the Contractor being entitled to any compensation for the use and employment thereof or for wear and tear or destruction thereof.
- (c) The Engineer shall, as soon as may be practicable after removal of the Contractor fix and determine expert or by or after reference to the parties or after such investigation or enquiries as he may consider fit to make or institute and shall certify what amount (if any) has at the time of termination of the contract been reasonably earned by or would reasonably accrue to the Contractor in respect of the work then actually done by him under the contract what was the value of any unused or partially used materials, any constructional plants and any temporaryworks upon the site. The legitimate amount due to the contractor after making necessary deductions and certified by the Engineer should be released expeditiously.
- 4.59. Matters finally determined by the RailTel: All disputes and differences of any kind whatsoever arising out of or in connection with the contract, whether during the progress of the work or after its completion and whether before or after the determination of the contract shall be referred by the contractor to the RailTel and the RailTel shall within 120 days receipt of the Contractor's representation make and notify decisions on all matters referred to by the contractor in writing provided that matters for which provision has been made in Para 4.8, 4.17, 4.21.5,4.28, 4.40.2,4.42(a), 4.51, 4.51.1(5), 4.53, 4.57.1, 4.57.2 and 4.58.1(A) of General Condition of Contract or in any clause of the Special Conditions of the Contract shall be deemed as 'excepted matters' and decisions of the RailTel's authority, thereon shall be final and binding on the contractor provided further that 'excepted matters' shall stand specifically excluded from the purview of the arbitration clause and not be referred to arbitration.

4.60. SETTLEMENT OF DISPUTE AND ARBITRATION

- 4.60.1 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 a sole arbitrator in accordance with provisions contained in 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 New Delhi.
- 4.60.2 All arbitration proceedings shall be conducted in English. Resources against any Arbitral award so rendered may be entered into court having jurisdiction or application may be made to such court for the order of enforcement as the case may be.
- 4.60.3 The Arbitral Tribunal shall consist of the sole Arbitrator if the value of claim is uptoRs. 10 Lakhs. The arbitrator will be appointed by the Managing Director of RailTel Corporation of India Ltd. If the value of claim or amount under dispute is more than Rs. 10 Lakhs, the matter shall be referred to the adjudication of arbitral council. Chairman cum Managing Director/RailTel shall furnish a panel of three

names to the contractor, out of which the contractor will recommend one name to be his nominee and then Chairman cum Managing Director/RailTel shall appoint out of the panel, one name as RailTel's nominee and these two arbitrators with mutual consent appoint a third arbitrator who shall act as deciding. The award of the sole arbitrator or the Arbitral council, as the case may be, shall be final and binding on both the parties, i.e. Contractor and RailTel Corporation of India Ltd.

4.60.4 Each of the parties agree that no withstanding that the matter may be referred to Arbitrator as provided therein, the parties shall nevertheless pending the resolution of the controversy or disagreement continue to fulfill their obligation under this Agreement so far as they are reasonably able to do so.



SPECIAL CONDITIONS

OF

CONTRACT

Special Conditions of Contract

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SPECIAL CONDITIONS OF CONTRACT

5.1. TENDER DOCUMENTS

- 5.1.1 The goods and services required, bidding procedure and contract terms are prescribed in the tender documents. The set of tender documents issued for the purpose of bidding includes following together with any addendum and corrigendum thereto.
- 5.1.2 If the Tender submitted by a Tenderer is accepted and the contract awarded to the Tenderer the various works coming under the purview of the contract shall be governed by tender documents mentioned above.
- 5.1.3 Any special conditions stated by the Tenderer in the covering letter submitted along with the tender shall be deemed to be a part of the Contract to such extent only as have been explicitly accepted by the RailTel.

5.2. AGREEMENT

- 5.2.1 The successful Tenderer shall within 15 days after having been called upon by notice to do so be bound to execute an agreement based on accepted rates and conditions, in such form as the RailTel may prescribe, and lodge the same with the RailTel together with the conditions of contract, specifications and Schedule Of Requirements referred to therein duly completed. The form for agreement is includedin, Chapter 6 (Form No.3).
- 5.2.2 In the event of any tenderer whose tender is accepted, refused to execute the Contract documents as herein before provided RailTel may determine that such tenderer has abandoned the contract and thereupon his tender and the acceptance thereof shall be treated and RailTel shall be entitled to forfeit the full amount of the earnest money and to recover the liquidated damage for such default.

5.3. CONTRACTOR'S OFFICE & STORES DEPOT

The Contractor shall within 10(ten) days of issue of letter of acceptance of tender establish an office and store depot at a convenient place for receiving and storing equipments and materials and progressing field work expeditiously in consultation and with the approval of the purchaser's Engineer. He shall intimate the address thereof to which all correspondence should be sent. Any communication sent to the contractor by post at his said address shall be deemed to have reached the contractor duly and in time. Important documents shall be sent by Registered post.

5.4. PROGRAMME OF WORK

- 5.4.1 Refer Para 4.18,4.19,4.20,4.21,4.22 and 4.25 of chapter-4.
- 5.4.2. The contractor will program his work in such a manner so as not to interfere in the working and movement of traffic

5.5. TEST & MEASURING INSTRUMENTS AND SPECIAL TOOLS ETC.

- 5.5.1 Special tools & instruments required for installation and commissioning of the work as detailed in preamble shall be arranged by contractor at his own cost.
- 5.5.2 All tests and measuring instruments and other arrangements required for carrying out all the acceptance tests etc shall be provided by the contractor at his own cost.

5.6. QUALITY ASSURANCE

Quality Control through Acceptance Testing will be done by RailTel.Shortcomings /deficiencies noted has to be attended with in10(ten) days and intimation has to be given to RailTel.

5.7 INSPECTION OF MATERIALS

- 5.7.1 All equipments materials fittings and components supplied by the contractor are required to be inspected as per the codes and specifications by the purchaser or his representative before accepting the delivery.
- 5.7.2 The materials which are procured/fabricated should comply TEC Specifications.
- 5.7.3 All materials shall be procured from the manufacturers of repute/their authorized dealers. Such materials are to be accepted by the Engineer. The contractor may be required to produce test certificate from the manufacturer wherever called for by the Engineer.
- 5.7.4 The inspection charges, if any, payable to the purchaser's representative for carrying out the inspection shall be borne by the purchaser.
- 5.7.5 The cost of equipment and materials, all tests and / or analysis performed for inspection shall be borne by the contractor.

5.8. **INSPECTION OF WORKS**

The contractor shall sign all the measurement recorded in the measurement book. The contractor, of measurement recorded in the MB, will consider this as an acceptance. In case contractor fails to attend at the measurements or fails to countersign or to record the difference within a week, then in any such events the measurements taken by Engineerex party shall be final and binding on the contractor.

The contractor shall facilitate resources for reopening of trench for test check. No additional payment shall be made to the contractor for excavation of such test checks.

5.9. SUBLETTING AND ASSIGNMENT

- 5.9.1 The contractor may sublet a part of the work under this contract and enter into contract with suppliers for supply of materials. The credentials of subcontractors shall be subjected to scrutiny and approval of RailTel.
- 5.9.2 The contractor shall arrange for effective supervision of sub contractor's work and remain solely responsible for materials supplied and for works carried out on his behalf by the sub contractor.

5.10. EXECUTION OF WORK

All the works shall be executed in strict conformity to the provisions of the contract document and with such explanatory detailed drawings, specifications and instructions as may be approved from time to time based on detailed design and engineering carried out by contractor in line with requirements as per contract document. The contractor shall be responsible for ensuring that the work throughout are executed in the most substantial, proper and workman like manner with the quality of material and workmanship in strict accordance with the specifications and as per sound industrial practices and to the entire satisfaction of the RailTel

5.11. MAINTENANCE OF WORKS

The contractor shall at all times during the progress and continuance of the works and also for the period of maintenance specified in the tender form and after the date of passing of the certificate of completion by the RailTel 's representative or any other earlier date subsequent to the completion of the works that may be fixed by RailTel's representative be responsible for and effectively maintain and uphold in good, substantial, perfect condition all and every part of the works and shall make good from time to time and at all times, as often as the RailTel's representative shall require, any damage or defect that may, during the above period, arise in or be discovered or be in any way connected with the works provided that such damage or defect is not directly caused by errors in the contract documents, act of providence or insurrection or civil riot and the contractor shall be liable for and shall pay and make good to the RailTel or other persons legally entitled thereto whenever required by the RailTel 's representative so to do, all losses, damages, costs and expenses they or any of them may incur or be put or be liable to, by reason or inconsequence of the operations of the contractor or his failure in any respect.

5.12. CLEARANCE OF SITE

At the end of the work at each location the Contractor shall as a part of his Contractual obligation leave the area completely neat and clean.

5.13. PROVISIONAL ACCEPTANCE CERTIFICATE (PAC)

- 5.13.1 Immediately after the completion of the worksin the section, the contractor shall certify and advise the purchaser in writing that the installation is (I) complete (ii) ready for satisfactory commercial service and (iii) ready to be handed over.
- 5.13.2 Purchaser's Engineer shall issue a Provisional Acceptance Certificate (PAC) for successful commissioning of each section covering all materials and services included in the Schedule of works after the final acceptance test as per the approved test procedures have been completed and the performance has been found to meet the specifications. PAC shall not be held up for want of minor deficiency which shall be attended by the contractor within reasonable time to the satisfaction of Engineer.RailTel's decision in this respect shall be final. The Provisional Acceptance Certificate shall be signed by both the parties.

5.14 MAINTENANCE OF WORK TILL ISSUE OF LAST PAC

The contractor shall be responsible for proper maintenance of the work at his own cost until Last PAC is issuedand work is completed .Duringthisperiod, the tenderer shall have to attend any fiber cut etc. which takes place.

5.15. FINAL ACCEPTANCE CERTIFICATE (FAC)

- 5.15.1 The final acceptance of the works completed in thesection shall take effect from the date of expiry of the period of warranty as defined in Para5.16i.e on expiry of the warranty periodfrom the date of issue of last Provisional Acceptance Certificate or brought into commercial operation, provided in any case that the contractor has complied fully with his obligations in respect of each item under the contract.
- 5.15.2 Notwithstanding the issue of Final Acceptance Certificate the contractor and the purchaser (subject to Sub Clause as above) shall remain liable for fulfillment of any obligation incurred under the provision of the contract prior to the issue of Final Acceptance Certificate which remains unperformed at the time such certificate is issued and for determining the nature and extent of such obligation the contract shall be deemed to remain in force between the parties hereto.

5.16. WARRANTY

5.16.1 All equipment /material supplied by the Contractor shall be guaranteed against the defects for a period of 12 months from the date of issue of Last Provisional Acceptance Certificate of the Section. The contractor shall

provide comprehensive warranty maintenance for all the items supplied by him against this tender.

- 5.16.2 Contractor will ensure availability of adequate spares for providing replacement of faulty material, items during the warranty.
- 5.16.3 If any equipment/material supplied by the contractor becomes defective during the warranty ,thesame shall be replaced by the contractor and total cost of such replacement shall be born by the contractor. The replaced material will also be guaranteed for the remaining period of original warranty.

5.17. Training

5.17.1 The contractor shall at every stage of installation; testing and commissioning provide all facilities for adequate training of RailTel personnel who may be deputed to work on the project.

5.18. INFRINGEMENT OF PATENTS:

- The Contractor is forbidden to use any patents or registered drawings, processes or patterns in fulfilling his contract without prior consent in writing of the owner of such patents, drawings, patterns or trademarks except where these are specified by the Purchaser himself. Royalties where payable for the use of such patented processes, registered drawings or patterns shall be borne exclusively by the Contractor. The Contractor shall advise the Purchaser of any proprietary rights that may exist on such processes, drawings or patterns which he may use of his own accord.
- (b) In the case of patents taken out by the Contractor of the drawings or patterns registered by him or of those patents, drawings or patterns for which he holds a license, the signing of the contract automatically gives the Purchaser the right to repair by himself the purchased articles covered by the patent or by any person or body chosen by him and to obtain from any sources he desires the component parts required by him for carrying out the repair work. In the event of infringement of any patent rights due to above action of the Purchaser he shall be entitled to claim damages from the Contractor on the grounds of any loss of any nature which he may suffer e.g. in the case of attachment because of counterfeiting.

5.19. LICENSE AS PER GOVT. OF INDIA CONTRACT LABOURACT

The Contractors are required to produce license as enjoined in the Government of India Contract Labour (Regulation and Abolition) Act (1978) with latest amendments, if any. They shall not be allowed to undertake or execute any work through contract Labour except under and in accordance with a license issued under the said Act in that behalf by the authorized licensing Officer.

5.20. DEFAULTS AND DELAYS

The Contractor shall execute the work with due diligence and expedition, keeping to the approved time schedule. Should he refuse or neglect to comply with any reasonable orders given to him in writing by the Purchaser's Engineers in connection with the work or contravene the provision of the Contract or the progress of work lags persistently behind the time schedule due to his neglect, the Purchaser shall be at liberty to give seven days notice in writing to the Contractor requiring him to make contravention complained of and should the good the neglect or Contractor fail to comply with the requisitions made in the notice within seven days from the receipt thereof, it shall be lawful for the purchaser to take the work wholly or in part out of the Contractor's hands without any further reference and get the work or any part thereof, as the case may be, completed by other agencies at the expense of the Contractor without prejudice to any other right or remedy of the Purchaser.

5.21. LOSS SUSTAINED DUE TO DEFAULTS AND DELAYS

In the event of any loss to the purchaser on account of execution and/or completion of the work or any part thereof by agencies other than the contractor, in terms of Para 5.20 of the tender document, the contractor shall be liable to reimburse the loss to purchaser without prejudice to the other rights and remedies of the purchaser and the reimbursement in full or in part, as the case may be, shall be met at the option of the purchaser form out of all or any of the following sources via:

- (a) i) Any amount due and payable to the contractor by the purchaser on any account whatsoever;
 - ii) The Contractor's security deposit in the hands of the purchaser as far as available, and;
 - iii) Any other assets whatsoever of the contractor:
- (b) In the event of re-imbursement from out of sources (I) and/or (ii) above mentioned, the purchaser shall have the right of appropriation sue motto.

5.22. PENALTY FOR DELAY IN COMPLETION

5.22.1 The time for the execution of the work or part of the works specified in the contract documents shall be deemed to be the essence of the contract and the works must be completed not later than the date(s) as specified in the contract. If the contractor fails to complete the works within the time as specified in the contract for the reasons other than the reasons specified in Para 4.11 of tender document,Penalty for delay in execution of pending work/route @0.5% for each week of delay or part thereof for a period upto 10 weeks and thereafter at the rate of 0.7% for each week of delay or part thereof for another 10 weeks subject to a maximum of 10% will be applicable.

Provided further, that if the RailTel is not satisfied that the works can be completed by the Contractor and in the event of failure on the part of the contractor to complete the workin the time allowed as aforesaid, the RailTel

shall be entitled without prejudice to any other right or remedy available in that behalf; to appropriate the contractor's security deposit and rescind the contract, whether or not actual damage is caused by such default.

5.22.2 Penalty for cutting/damaging the existing cables of RAILTEL and the existing underground facilities of third parties: -

(a) During excavation of trench utmost care is to be taken by the contractor so that the existing underground cables are not damaged or cut. In-case any damage/cut is done to the existing cables, a penalty as per the schedule given below willbe charged from the contractor or the amount will be deducted from his running bills:-

Size of existing UG/ OFC cut/ damaged	Amount of penalty per cut/ damage
Up to 100 pairs cable	Rs 500.00 (Five Hundred)
Above 100 pairs & up to 400 pairs	Rs 1000.00 (One thousand)
Above 400 pairs	Rs 2000.00 (Two thousand)
OFC of any size	Rs 50000.00 (Fifty thousand)

Besides the above penalty, the contractor shall carry out such repairs for restoration of the damaged cable free of charge. The cost of jointing kit shall also be borne by the contractor. If contractor fails to repair the damage, the cost of repair (including cost of labour + jointing kit) shall be recovered from the contractor.

- (b) Contractor shall either pay to third parties all expenditure incurred for restoring services which are damaged by Contractor while carrying out the work or the same amount will be deducted from his bills. Such expenditure shall be intimated to Contractor either by Engineer-incharge or concerned third parties in writing. The amount deducted by the Contractor from his bill shall be paid to concerned third parties by Engineer-in-charge.
- (c) Engineer-in-charge at his absolute discretion shall reserve the right to reject any bill submitted by the Contractor prior to making payment by him to third parties for the damages caused or to deduct same amount from his bill.
- (d) Penalty to damage stores/materials supplied by the RAILTEL while laying: The contractor while taking delivery of materials supplied by the RAILTEL at the designated place shall thoroughly inspect all items before taking them over. In case of execution of the work, if any material is found damaged/working unsatisfactorily, then a penalty equivalent to the cost of material + 10% as penalty shall be recovered from the contractor's payments/securities.

- (e) However, contractor will not be penalized for any defect in workmanship of the materials, which are directly supplied by Railtel.
- 5.22.3. For bad workmanship or delays, penalty shall be charged to the contractor.

5.23. ADHERENCE OF TIME SCHEDULE

- 5.23.1 Timely completion of the work is the essence of the contract. While delay in execution will attract penalty.
- 5.23.2 If any delay as aforesaid in Para 5.22 of tender document shall have arisen from any cause which the Purchaser may agree as being a reasonable ground for extension of time the purchaser's engineer or his representative may allow such additional time as he may in his absolute discretion consider to be reasonably justified by the circumstances of the case. Such extensions shall be granted, on request from contractor, with liquidated damages in the Form No.11.

5.24. CONTRACTOR'S LIABILITIES FOR COSTS AND DAMAGES

Please Refer Para 4.48 of the tender document.

5.25. PRICES

- 5.25.1 The tenderer is expected to quote the this tender consists of a percentage bidding system. The estimated cost of each item of the schedule of work and total estimated cost are indicated in the schedule of work. The tenderer is expected to quote the single percentage At Par with/below (-)/above (+) the RailTel's total estimated cost indicated in the schedule of work. The single percentage At Par with/below/above finalized for the entire schedule shall be firm and on all-inclusive basis (i.e-inclusive of all incidental charges for transport, loading/ unloading handling materials. and of commission for arranging dispatch by rail direct from manufacturer's factory and completing all necessary formalities in this arranging placement respect, such as submission of forwarding notes, of Wagon, collection of banker's charges for Bank guarantee, Indemnity Bonds inclusive of cost of Stamp etc., if any, levied by the RailTel.)
- 5.25.2 The prices shall be inclusive of all rate & taxes, duties, Royalty, levies and freight (including Octroi etc.). However Sales Tax/VAT/ED and service tax should be charged separately. Therefore, they should quote their rate taking into account the rate of sales tax on works contract as livable. It is clarified that required form applicable for this purpose will be supplied to the Contractor as applicable in the state where the Contract is being executed.
- 5.25.3 The rate quoted by the tenderer shall include cost of commissioning and testing and all costs of Administration of Contract, Insurance Premium, Banker's charges for guarantees, cost of storage, loading-unloading and handling of materials and for any road transport which the contractor

may use for carriage of materials to his depot and the site of work. The prices shall include the cost of works and adjustments necessary to be done by the contractor during or after tests carried out by the purchaser.

- 5.25.4 The rate to be quoted by the Tenderers should take into account the credit availed on inputs under the CENVATscheme. The tenderer should give a declaration that any set off in respect of duties on inputs as admissible under law is being totally and unconditionally passed on to the purchaser in the price quoted by him (see Para 5.29).
- 5.25.5 While the price quoted in the contract are inclusive of all rate &taxes i.e. excise duty, Octroi, local levies, freight, except service tax and sales tax/VAT, levied by any statutory authority. The purchaser shall make any deduction toward sales tax on works contract if statutorily obligation required to do so. The deducted sales tax on works contract shall be remitted to the concerned sales tax authority and the purchaser shall in no way be responsible for any disputes between the sales tax authorities and the contractor in this regard.
- 5.25.6 All taxes, duties and levies (Including Octroi etc.) arising out of the transaction between the contractor and his sub contractor/supplier for this work will be included in the rates quoted by the contractor in the relevant Schedule.
- 5.25.7 Arrangement for permits/license for materials will not be made by the RailTel or any assistance given. The Contractor will have to make his own arrangement.

5.26. MEASUREMENT OF WORKS

- 5.26.1 Please Refer Para 5.8 of tender document.
- 5.26.2 MEANING AND INTERPRETATION BY RAILTEL TO BE FINAL

All measurement, method of measurement, meaning an intent of specifications provided by purchaser's Engineer shall be final and binding.

5.27 FINAL PAYMENT

- 5.27.1 Final payment of 5% (Five percent) of the contract value shall be made after issue of Final Acceptance Certificate (FAC) & on production of No Claims Certificate & this will be read along with item no-1.21 in details.
- Post Payment Audit:- It is an agreed term of contract that the RailTel reserves to itself the right to carry out a post-payment audit and or technical examination of the works and the final bill including all supporting vouchers, abstracts, etc., and to make a claim on the contractor for the refund any excess amount paid to him if as a result of such examination any over-payment to him is discovered to have been made in respect of any works

done or alleged to have been done by him under the contract.

5.28 FINAL SETTLEMENT

On expiry of the warranty period and issue of the certificate of final acceptance of the entire installations, the Performance Bank Guarantee will be released to the Contractor after adjustment of any dues payable by the contractor.

5.29. CERTIFICATE FOR CENVAT BENEFITS ON BILLS

- a) The purchaser will not be responsible for payment of taxes and duties paid by the supplier under misapprehensions of law or misclassification and in such cases even if the suppliers bill contain an element of tax or duty which is not payable by the purchaser, such payment would be disallowed.
- b) The claim for ED, if any, on each bill should be supported by the following certificates:-
- i) Certified that the amount of Rs......claimed as ED in this bill is in accordance with the provision of the rules in all respects and the same has been actually paid to the excise authorities in respect of the stores covered by the bills.
- ii Quarterly certificate to the effect that no refund of ED already reimbursed against this contract has been obtained during the quarter ending. In the event of any such refund being obtained by the seller, the same should be passed on to the purchaser.
- iii) Certificate: The tenderers will have to give the following certificates in their offer:-
 - "We hereby declare that in quoting the above price, we have taken into effect, the full effect of the duty set-off on 'Central excise and counter veiling duties' available under the existing scheme. We further agree to pass on such additional duties and set off as may become available in future in respect of all the inputs used for the manufacture of the final product, on the date of the supply under scheme, by way of reduction in price and advise the purchaser accordingly."
- iv) Payment of excise duty will be released only after submission of excisable invoice to RailTel for availing CENVAT credit.

5.30. DEDUCTION FROM ON ACCOUNT PAYMENT BILLS

(i) All costs, damages or expenses, which RailTel may have been paid or incurred which under the provisions of contract are Contractor's obligations will be deducted by RailTel from progress payment Bills/Invoice of Contractor, as and when it is understood that such an expense has been incurred or paid for.

(ii) All such claims of RailTelshall, however, be duly supported by appropriate and certified vouchers, receipts or explanations as are available to enable the Contractor to identify such claims.

5.31. TAXES

- 5.31.1 The Contractor and all personnel employed by him shall pay such taxes like Income Tax as are payable under statutory laws of India and the Purchaser **WILL NOT ACCEPT** any liability for the same.
- 5.31.2 Deduction of Income Tax at source as per provisions of Finance Act and Income Tax in force shall be made from the Contractor/Sub-Contractor and the amount so deducted may be credited to the Central Government.
- 5.31.3 Wherever the law makes it statutory for the Purchaser to deduct any amount towards Sales Tax on Works Contract, the same will be deducted and remitted to the concerned authority.

5.32. INSURANCE

5.32.1 The Contractor shall take out and keep in force a policy or policies of insurance against all liabilities of the Contractor or the Purchaser at common law or under any statute in respect of accidents to persons who shall be employed by the contractor in or about the site for the purpose of carrying out the works on the site. The Contractor shall also take out and keep in force a policy or policies of Insurance against all recognized risks to their offices and depots. Such insurance shall in all respects be to the approval of the Purchaser and if he so requires in his name.

5.32.2 **INSURANCE OF MATERIALS & INSTALLATIONS**

The Contractor shall take out and keep in force a Policy or policies of Insurance for all materials including RailTel supply materials/ equipments irrespective of whether used up in the portion of work already done or kept for the use in the balance portion of the work until such works are provisionally handed over to the RailTel. For this purpose, the works are deemed to have been provisionally handed over when provisional acceptance certificate is issued for the locations.

5.32.3 The Contractor shall not be liable for losses/damages to the materials either used up in the portion of work done or his material kept for use at site, in consequence of Mutiny, or other similar causes over which the Contractor has no control and which cannot be insured. Such losses or damages shall be the liability of the Purchaser and if required by the Purchaser, be made good by the contractor at the cost of the Purchaser.

- 5.32.4 The Contractor should, however, insure the stores brought to site, against risks in consequence of war and invasion, as required under the Emergency Risk (Goods) Insurance Act enforce from time to time.
- 5.32.5 It may be noted that the beneficiary of the insurance policy should be RailTel or the policies should be pledged in favour of RailTel. The contractor shall keep the policy/policies current till the installations are provisionally handed over to the purchaser. It may also be noted that in the event of contractor's failure to keep the policy current and alive, renewal of policy will be done by purchaser for which the cost of the premium plus 20% of premium shall be recovered from the contractor.
- 5.32.6 For the purpose of enabling the contractor to take the insurance cover in connection with this contract, the purchaser's Engineer will advise the approximate price of all the RailTel supply materials to the Contractor.

5.33 SETTLEMENT OF DISPUTE AND ARBITRATION

- (1) Right of RailTel to determine the contract:- The RailTel shall be entitled to determine and terminate the contract at any time should, in the RailTel's opinion, the cessation of work becomes necessary owing to paucity of funds or from any other cause whatever, in which case the value of approved materials at site and of work done to date by the Contractor will be paid for in full at the rate specified in the contract. Notice in writing from the RailTel of such determination and the reasons therefore shall be conclusive evidence thereof.
- (2) Payment on determination of contract:- Should the contract be determined under sub Para 5.33(1) of tender document of this clause and the Contractor claims payment for expenditure incurred by him in the expectation of completing the whole of the work, the RailTel shall admit and consider such claims as are deemed reasonable and are supported by vouchers to the satisfaction of the Engineer. The RailTel's decision on thenecessity and propriety of such expenditure shall be final and conclusive.
- (3) The Contractor shall have no claim to any payment of compensation or otherwise. Howsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of determination of contract.

FORMS OF TENDER

CHAPTER - 6

FORMS OF TENDER

Form No. 1 : Offer Letter

Form No. 2 : Qualifying Criteria / User's Certificate

Form No. 3 : Agreement

Form No. 4 Proforma for Performance Guarantee Bond

Deposit

Form No. 5 : Statement of Deviations

Form No. 6 : Not used

Form No. 7 : Not used

Form No. 8 : Not used

Form No. 9 : Works in hand

Form No. 10 : Not used

Form No. 11 : Extension of period of completion of work

Form No. 12 : Not used

Form No. 13 : Qualification Experience

Form No.1

OFFER	<u>LETTER</u>
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From:	Date:
To: Executive Director, RailTel Corporation of India Limited Eastern Region, 3 rd Floor, Chatterje 33A, Jawaharlal Nehru road, Kolkata – 700 071.	
	ailway Station by creating OFC infrastructure at,
Ref: Tender Notice No	Dated
	to execute the agreement for the above work within seven days acceptance of the tender in strict compliance within the provision ed.
	I not be restricted or withdrawn and shall remain opened for od of Ninety days from the date of opening of the tender.
	nd conditions as contained in the tender paper and we agree that nder and I/We shall be bound by them.
Rs(Rupees	d Draft/Banker's Cheque NoDatedfor only) drawn on (Bank) in favour of "RailTel Corporation of India Ltd.", payable at
The full value of the earnest moremedies if:	oney shall be forfeited without prejudice to any other right or
(i) If we do not submit the Performany section is awarded to us.	mance Bank Guarantee/Security Deposit in the event the LOA for
(ii) I/We do not execute the con RailTel Corporation that such do	stract document within 2 days after the receipt of notice by the ocuments are ready.
(iii) I/We do not commence work w	vithin 7 Days from the date of issue of letter of acceptance.
(iv) If we withdraw our offer after o	opening of the tender.
(v)If we do not accept the order in	n the event the same is awarded to us.

Until a formal agreement is prepared and executed, submission of this offer letter shall constitute a binding contract between us subject to modification as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer.

I/We hereby agree to execute the OFC laying work and place our teams as required in the Section______within the scheduled date mentioned above. In the event of shortcomings in the provision of equipment / placement of team within the stipulated date, RailTel shall be at liberty to impose penalty, if any, as has been stipulated in the tender document.

to impose penalty,	if any, as has been sti	pulated in	n the tender document.	
Yours Sincerely,				
Signature & Seal of Place: - Date: - Witnessed by:	the Tenderer			
1. Signature:		2.	Signature:	
Name:		n.,	Name:	
Address:	35		Address:	
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QUALIFYING CRITERIA

USER's CERTIFICATE

				I	
Name of the Firm					
Contract No. &					
date	76				
Scope of Work		b	F		
Contract Amount					
(in Indian					
Rupees)					
Completion			7%		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Period as per					
original contract				76.	
Completion					
Period with extension	700		700		
Date of					
Commencement	-				
Actual date of	- Table 1997	ter alline			
Successfull			_	-	
Completion					

Name : Dated : Designation :

Signature of the Contractor with Company Seal

Note: The relevant User's certificate to be attached.

Form No. 3

AGREEMENT

(LOA No for "Provision of Wi-Fi Service in Railway Station by creating
OFC infrastructure for providing Wi-Fi services in Section: Railway Station) of Eastern Region"
This AGREEMENT is made at on this day of two thousand and sixteen, by and between RailTel Corporation of India Limited (A Govt. of India Undertaking) having its Registered office at 6 th Floor, 3 rd Block, Delhi Technology Park, Shastri Park, Delhi 110053, and Eastern Region office at 3 rd Floor, Chatterjee International Centre, 33A, Jawaharlal Nehru road, Kolkata – 700 071 acting in the premises through Executive Director /Eastern Region (hereinafter referred to as 'RailTel', which expression should unless repugnant to the context or meaning thereof include its successors and permitted assigns) of the one part; Andhaving its registered office at acting in the premises through (hereafter referred to as "Contractor", which expression should unless repugnant to the context or meaning thereof include its successor and permitted assigns) of the other part.
Whereas in response to a call for Tender by RailTel for the work of "Provision of Wi-Fi service (Both Supply & Execution) in Railway Station by creating OFC infrastructure at 27 numbers of Railway Stations in Eastern Region." as per tender papers at Annexure 'A' read with Corrigendum Issued by RailTel hereto, the Contractor has submitted a Tender as per Annexure 'B' hereto
AND WHEREAS the said Tender of the Contractor has been accepted for the work of "Provision of Wi-Fi Service in Railway Station by creating OFC infrastructure for providing Wi-Fi services in Section: (
Now this agreement witnesses that in consideration of the premises and the payment to be made by the Purchaser (RailTel) to the Contractor provided for herein, the Contractor shall supply all equipment and materials and execute and perform all works for which the said Tender of the Contractor has been accepted strictly according to the various provisions in Annexure 'B' and 'C' nereto and upon such supply, execute and performance to the satisfaction of the purchaser (RailTel) and the purchaser (RailTel) shall pay to the Contractor at the rates accepted as per the said Annexure 'C' and in terms of the provisions therein.
IN WITNESS whereof both the parties have hereunto set and subscribed their respective hands and/or seals on the day and year respectively mentioned against their respective signatures.
Signed and delivered by Shri for and on behalf of RailTelCorporation of India Ltd.

The co	tract within named in the presence of :	
1.	ignature : Date : Same in Block Capitals : Middress : Saddress : S	
2.	ignature : Date : Same in Block Capitals : Address : Saddress : Sa	
Signed	and delivered by Shri for and on behalf, the contractor within named in the presence of :	of
1.	Signature : Date : Signature :	
2.	Signature Date Slame in Block Capitals Address :	
Annexu Annexu Annexu Annexu	e – B : Firm's offer. e – C : Letter of Acceptance No with all enclosures.	

Form No. 4

CONTRACT PERFORMANCE GUARANTEE BOND

(On Stamp Paper of Rs One hundred) (To be used by approved Nationalised/Scheduled Banks)

In consideration of the RailTel Corporation of India Limited, with Regd office at6 th Floor, 3 rd Block, Delhi Technology Park, Shastri Park, Delhi - 110 053with Eastern Region office at 3rd Floor, Chatterjee International Centre, 33A, Jawaharlal Nehru Road, Kolkata – 700 071 (Herein after called the RailTel) having agreed to exempt
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
We,
We,(name of bank) undertake to pay to the RailTel any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) / Supplier(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 thereunder and the Contractor(s) / Supplier(s) shall have no claim against us for making such payment.
We,(name of 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. We,(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 or 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.

This Guarantee will not be discharged due to the change in the Constitution of the Bank or the Contractor(s)/ Supplier(s).

We (the name of Bank) lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the RailTel in writing.

NOT WITH STANDING ANYTHING CONTAINED HEREIN ABOVE

(i)	The liability of the surety under his Bank Guarantee shall not exceed Rs
(ii)	This Bank guarantee shall be valid upto
(iii)	We are liable to pay the guaranteed amount or pay part thereof under this Bank Guarantee only and only if you serves upon the bank, written claim or demand on or before
Dated 1	theday of 20
for (In	dicate the name of the Bank)
Witnes	s : • • • • • • • • • • • • • • • • • •

vvitiic33 .

Signature : Name :

Signature : Name :

NOTE: The Guarantee shall be valid for a period of 60 days after the expiry of the

warranty period of the work as per Clause 1.13 of Chapter 1.

STATEMENT OF DEVIATIONS

PROFORMA FOR STATEMENT OF DEVIATIONS

1. The following are the particulars of deviations from Preamble, requirement of the Instructions to Tenderers and Conditions of Tendering and Special conditions of Contract.

Preamble (Chapter 1)

<u>Clause</u> <u>Deviation</u> <u>Remarks (including justification)</u>

Instructions to Tenderers and Conditions of Tendering(Chapter 3)

<u>Clause</u> <u>Deviation</u> <u>Remarks (including justification)</u>

Special Conditions of Contract (Chapter 5)

<u>Clause</u> <u>Deviation</u> <u>Remarks (including justification)</u>

2. The following are the particulars of deviations from requirement of the **Technical** specifications (Chapter 7)

<u>Clause</u> <u>Deviation</u> <u>Remarks (including justification)</u>

Note: Where there is no deviation, the statement should be returned duly signed with an

endorsement indicating "no deviations".

SIGNATURE AND SEAL OF THE TENDERER

WORKS IN HAND

SI N o	Syste m & Name of the Projec t	Party's name & addres s for whom the work is being done	Total Contrac t Value	Schedule period of executio n (in months)	%age progres s in terms of work already done	Likely date of completio n	No. of extension s granted	Payment s received till date	Remark s
				Ю					
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EXTENSION OF PERIOD OF COMPLETION OF WORK

Ref No	o.:RCI	L/ Date :
To,		
Sub:	(i) (ii) (iii)	Name of Work Acceptance Letter No. Agreement No.
Re	f: Quote	e specific application of the Contractor for extension to date, if received.
Dear 9	Sir,	
progre	ess mad	ed date for completion of the work mentioned above is From the de so far and the present rate of progress, it is unlikely that the work will be the above date (or However, the work was not completed on this date)
/ Eas	tern R	It you may be able to complete the work if some time is given the Executive Director egion, RailTel Corporation of India Limited, although not bound to do so, is the time for completion from to
the co	mpletic	ation of the circumstances explained in your letter of request RailTel has extended on period by Days without any liquidated damages. Please ensure the nd commissioning of the project well within the extended period.
up to anotherecove from	ten we er ten v ery for d as men ded per	that an amount equal to @0.5% for each week of delay or part thereof for a period eks and thereafter at the rate of 0.7% for each week of delay or part thereof for weeks subject to a maximum of 10% of the total contract value of the works as a delay in the completion of the work after the expiry of (1)will be recovered tioned in clause 5.22 of Chapter V of the special conditions of contract for the riod notwithstanding the grant of this extension. You may proceed with the work

The above extension of the completion date will also be subject to the further condition that no increase in rates on any account will be payable to you.

Please intimate within a week of the receipt of this letter your acceptance of the extension on the conditions stated above.

Please note that in the event of declining to accept the extension on the above said

conditionsor, in the event of your failure after accepting or acting up to this extension to complete the work by (2) _____ (here mention the extended date), further action will be taken in terms of relevant clause of special conditions of contract.

Yours faithfully,

for& on behalf of RailTel Corporation of India Limited

Note:

Give here the stipulated date for completion without any penalty fixed earlier. Here mention the extended date.



QUALIFICATION & EXPERIENCE

Details of works executed and under execution by Tenderer during the last 5 years should be furnished in the following format.

SI No	Name of Project & Description of work	Party's name & address for whom the work was done	Total Value of the Contract (in Rs)	Date of award of work and schedule period of execution (in months)	Date of completion and actual period of execution (in months)	Remarks
				`		
			L	1		
		-	-	-		
		37	-1-	-	=	
		~~	T. ~		- 4	

Note: A certificate from the organization for whom the work was executed should be submitted to indicate that the contract was satisfactorily executed.

(Signature and Seal of the Manufacturer / Contractor)

CHAPTER 7

Engineering Instructions and Drawings

Para No.	Subject
7.1	Scope
7.2.	Introduction
7.3	Optical Fiber Cable laying approach
7.4	General
7.5	Material Specification
7.6	Safety precautions
7.7	Allied activities
7.8	Techniques for Jointing of Fiber Optic Cable

Engineering Instructions

7.1 SCOPE

7.1.1 The Engineering Instructions spelt out in this document deal with the methods to be adopted for underground/in-building Optical Fiber Cablelaying in PLB HDPE ducts/conduitsand termination of OF Cables at Railway Stations for providing Wi-Fi services.

7.2 INTRODUCTION

7.2.1 Under this project Railway aims to provide Wi-Fi facility to the passengers through RailTel.

7.3 OF CABLE LAYING APPROACH

- 7.3.1 On the basis of the survey reports/instructions of the Engineer-in-charge routes for OF cable laying shall be finalized. Generally O.F. Cable may preferably be laid straight as far as possible along the road near the boundaries, away from the burrow pits. When the O.F. Cable is laid, Cable should run along the road land boundary or at a minimum distance of 15 meters from the center line of the road where the road land in wider as the OFC carries high capacity traffic and is planned for about 25 to 30 years of life. It is essential that the cable is laid after obtaining due permission from all the concerned authorities to avoid any damage (which may result in disruption of services / revenue loss) and shifting in near future due to their planned road widening works.
- 7.3.2 In special cases where it may be necessary to avoid burrow pits or low lying areas, the Cable may be laid underneath the shoulders at a distance of 0.6 meter from the outer edge of the road embankment provided the same is located at least 4.5 meters away from centre line of road.
- 7.4 The Optical Fibre Cable shall be laid through PLB HDPE Ducts buried at a nominal depth of 165cms.

Laying of PLB HDPE Ducts/coils coupled by sockets in excavated trenches, on bridges and culverts should be doneas per construction specification and sealing of PLB HDPE Ducts pipe ends must be ensuredatevery manhole by end-plugsof appropriate size.

Providing additional protection by RCC Pipes/GI pipes and/or concreting/chambering, wherever required according to construction specification.

Fixing of GI pipes/troughs with clamps on culverts/bridges and/or chambering or concretingof G.I. Pipes/troughs, wherever necessary.

Laying Protection Pipes On Bridges AndCulverts.In case trenching and pipe laying is not possible on the culverts, the pipes shall be laid on the surface of the culverts/bridges after due permission from the competent authorityas per construction specification.

Back filling and Dressing of the Trench according to construction specifications.

Digging of pit of size 2 meter x 2 meter x 1.8 meter (depth) for fixing of Jointing chamberpre-cast RCC cover or stone of suitable size on Jointing chamber to protect the Joint and backfilling of jointing chamber with excavated soil.

7.5 Specifications of Materials to be used

PLB HDPE Duct

Optical Fiber Cables should be pulled though Permanently Lubricated HDPE Duct of 40mm/33 mm size conforming to the ITU/TEC specifications.

PLB HDPE Duct Accessories

a) Push fit Coupler

Push Fit couplers shall be used for coupling PLB HDPE ducts/coils. The specifications of the couplers shall be as per ITU/TEC specifications amendments.

b) End Cap

End Cap shall be used for sealing the ends of the empty ducts, prior to installation of the OF Cable and shallbe fitted immediately after laying the duct to prevent the entry of any dirt,water, moisture,insects/rodents etc. It should confirm to ITU/TEC specifications. The ends of the PLB HDPE ducts/coils laid in the manholes should be closed with End Caps. The End Caps used should be suitable for closing 40mm/33mm PLB HDPE ducts/coils. A suitable arrangement should be provided in the EndCap to tie PP Rope. (See Figure – 1 for details)

c) Cable sealing Plug

This shall be used to seal the end of the ducts perfectly, after the OF cable is pulled in the duct. For pulling the cable through the ducts, it is necessary to providemanholes at that location and also at bends and corners wherever required. The ends of the PLB HDPE ducts/coils are closed with Cable sealing Plugs. The End Plugs used should be suitable for closing 40mm/33mm PLB HDPE ducts/coils. The Cable sealing plug shall confirm to ITU/TEC specification with latest amendments.(Wherever blowing technique is used for laying OF Cable ,the hand holes/manholes required for accessing the cable during cable laying can be at longer distances depending upon requirement)

Material for Providing Additional Protection

a) G.I. Pipes with sockets/collar

G.I. pipes should be of medium duty class having inner diameter of 50 mm and should conform to specifications as per BIS/ISI standards.

b) M.S. Weld Mesh

The PLB HDPE Ducts can also be protected by embedding it in concrete of size of 25 cms x25 cms reinforced with MS weld mesh. The MS weld mesh used should be of 50 mm x 100 mm size, 12 SWG, 120 cms in width in rolls of 50m each. One meter of MS weld mesh catersto approx. 3 meters of concreting. (See Figure-2 for details).

The strength of RCC/CC is dependent on proper curing, therefore, it is imperative that watercontent of CC/RCC mix does not drain out into the surrounding soil. In order to ensure this,the RCC/CC work should be carried out by covering all the sides by yellow PVC sheets ofweight not less than 1 kg per 8 sqm to avoid seepage of water into the soil.

Joint Chamber

The Joint chamber shall be provided at every joint location to keep theOF cable joint well protected and also to house extra length of cable which may be required inthe event of faults at a later date. The Joint chamber shall be of pre-cast RCC typeas per construction specification. Brick chamber can also be made with prior permission of Engineer in-charge.

Route/Joint Indicator

The Route/Joint indicators are co-located with each manhole/joint chamber. In additionRoute indicators are also to be placed where route changes direction like road crossings etc. Either RCC/Pre-cast or Stone based route indicators can be used. The detailed specification and design of the same shall be as per construction specification. Generally, Stone Route indicators shall be used

7.6 SAFETY PRECAUTIONS

Safety Precautions when excavating or working in excavations close to electric cables

The Engineer- in-charge of the work should get full information from Electricity undertaking regarding any electric cables, which are known or suspected to exist near the proposed excavation and unless this is done, excavation should not be carried out in the section concerned. Theelectricity undertaking should be asked to send a representative and work should be preceded withclose consultation with them.

Only wooden handled hand tools should be used until the electric cables have been completelyexposed. Power Cables, not laid in conduits, are usually protected from above by a cover slab ofconcrete, brick or stone. They may or may not be protected on the sides. It is safer, therefore, alwaysto drive the point of the pickaxe downwards then uncovering a cable, so that there is less chance ofmissing such warning slabs. No workman should be permitted to work alone where there are electric cables involved. At least one more man should be working near by so that help can be givenquickly in case of an accident. If disconnection of power could be arranged in that section it will bebetter. No electric cables shall be moved

or altered without the consent of the Electric Authority andthey should be contacted to do the needful. If an electric cable is damaged even slightly, it should bereported to the Electric Authority and any warning bricks disturbed during excavation should bereplaced while back filling the trench. Before driving a spike into the ground, the presence of otherunderground properties should be checked. Information on plans regarding the location of powercables need not to be assumed as wholly accurate. Full precautions should be taken in the vicinityuntil the power cable is uncovered. All electric cables should be regarded as being live andconsequently dangerous. Any power is generally dangerous, even low voltage proving fatal in several cases.

Electric shock-Action and treatment:

Free the victim from the contact as quickly as possible. He should be jerked away from the liveconductors by dry timber, dry rope or dry clothing. Care should be taken not to touch with barehands as his body may be energized while in contact. Artificial respiration should beginimmediately to restore breathing even if life appears to be extinct. Every moment of delay is serious, so, in the meanwhile, a doctor should be called for.

Safety Precautions while working in public street and along railway lines:

Where a road or footpath is to be opened up in the course of work, special care should be taken to see that proper protection is provided to prevent any accidents from occurring. Excavation workshould be done in such a manner that it will not unduly cause inconvenience to pedestrians or occupants of buildings or obstruct road traffic. Suitable bridges over open trenches should be so planned that these are required for the minimum possible time. Where bridges are constructed toaccommodate vehicular traffic and is done near or on railway property, it should be with the full consent and knowledge of the competent railway authorities.

Danger from falling material

Care should be taken to see that apparatus, tools or other excavating implements or excavatedmaterials are not left in a dangerous or insecure position so as to fall or be knocked into the trenchthereby injuring any workman who may be working inside the trench.

Care when working in Excavations

Jumping into a trench is dangerous. If it is deep, workmen should be encouraged to lowerthemselves. Workers should work at safe distance so as to avoid striking each other accidentallywith tools. If the walls of the trench contain glass bits, corroded wire or sharp objects they should be removed carefully. If an obstruction is encountered, it should be carefully uncovered and protected if necessary. If an obstruction is encountered, it should be carefully uncovered and protected if necessary. Care must be taken to see that excavated material is not left in such a position that it is likely to cause any accident or obstruction to a roadway or waterway. If possible the excavated material should be put between the workmen and the traffic without encroaching too much on theroad.

Danger of cave in

When working in deep trenches in loose soil, timbering up/shoring the sides will prevent soilsubsidence. The excavated material should be kept at sufficient

distance from the edge of the trenchor pit. Vehicles or heavy equipment must not be permitted to approach too close to the excavation.

When making tunneled opening, it should be ensured that the soil is compact enough to preventcave in even under adverse conditions of traffic. Extra care should be taken while excavating near the foundations of buildings or retaining walls. In such cases, excavation should be done gradually and as far as possible in the presence of the owners of the property.

Protection of Excavations:

Excavations in populated areas, which are not likely to be filled up on the same day should be protected by barriers or other effective means of preventing accidents and the location of all such openings must in any event be indicated by red flags or other suitable warning signs. During the hours from dusk to dawn, adequate number of red warning lamps should be displayed. Supervisoryofficers should ensure that all excavations are adequately protected in this manner as serious riskand responsibility is involved. Notwithstanding adoption of the above mentioned precautions, works involving excavations should be so arranged as to keep the extent of opened ground and the time to open it to a minimum.

Precautions while working on roads

The period between half an hour after sun-set and half an hour before sunrise, and any period of fog or abnormal darkness may also be considered as night for the purpose of these instructions, for the purpose of providing the warning signs. Excavation liable to cause danger to vehicles or the publicmust at all times be protected with fencing of rope tied to strong uprights or bamboo poles at a suitable height or by some other effective means. Any such temporary erection which is likely tocause obstructions and which is not readily visible should be marked by posts carrying red flags orboards with a red background by day and by continuously lighted lamps at night.

The flags and the lamps should be placed in conspicuous positions so as to indicate the pedestriansand drivers of vehicles the full expanse i.e. both width and length of the obstruction. The distancebetween lamps or between floors should not generally exceed 1.25 m along the width and 6m alonglength of the obstruction in non congested areas, but 4 meters along the length in congested areas.

If the excavation is extensive, sufficient notice to give adequate warning of the danger, should bedisplayed consciously not less than 1.25 m above the ground and close to the excavation. Where any excavation is not clearly visible for a distance of 25m to traffic approaching from any direction or any part of the carriage way of the road in which the excavation exists, a warning notice should be placed on the kerb or edge of all such roads from which the excavation or as near the distance as is practicable but not less than 10 m from the junction of an entering or intersecting road in which the excavation exists. All warnings, in these should have a red background and should be clearlyvisible and legible. All warning lamps should exhibit a red light, but white lights may be used inaddition to facilitate working at night. Wherever required a passage for pedestrians with footbridgeshould be provided. At excavations, cable drums, tools and all materials

likely to offer obstructions should be properly folded round and protected. This applies to jointer's tents as well. Leads, hosesetc. stretched and across the carriageway should be guarded adequately for their own protection and also that of the public.

Traffic Control

The police authorities are normally responsible for the control of traffic and may require the setting up of traffic controls to reduce the inconvenience occasioned by establishment of a single line of traffic due to restriction in road width or any other form of obstruction caused by the work. As far as possible, such arrangements should be settled in advance. If there are any specific regulationsimposed by the local authorities, these should be followed.

Work along Railway Lines

Normally all works at Railway crossing is to be done under supervision of the railway authoritiesconcerned, but it is to be borne in mind that use of white, red or green flags by the Departmentalstaff is positively forbidden to be used when working along a railway line as this practice may causean accident through engine drivers mistaking them for railway signals. When working along a double line of railway, the men should be warned to keep a sharp look on both the "UP" and "DOWN" lines to avoid the possibility of any accident when trains pass or happen to cross oneanother near the work spot.

7.7 ALLIED ACTIVITIES

Transportation of Materials: The materials required for executing the work entrusted to the contractors against a work order shall be made available at Project Store Depot. In some cases the materials may be available at sub divisional store go down. The contractor shall be responsible for transporting the materials, to be supplied by the RailTel or otherwise to execute the work under the contract to site at his/ their own cost. The costs of transportation are subsumed in the standard Schedule Rates and therefore no separate charges are payable on this account.

Disposal of Empty Cable Drums: The contractor shall be responsible to dispose of the empty cable drums after laying of the cables. The cost of various sizes of empty cable drums recoverable from the contractor has been fixed taking into account the prevailing market rates as mentioned in this document.

It shall be obligatory on part of the contractor to dispose of the empty cable drums at his/their level and the amount fixed for various empty cable drums shall be recovered from the bill for the work for which the drum (s) was/were issued or from any other amount due to the contractor or the Security Deposit.

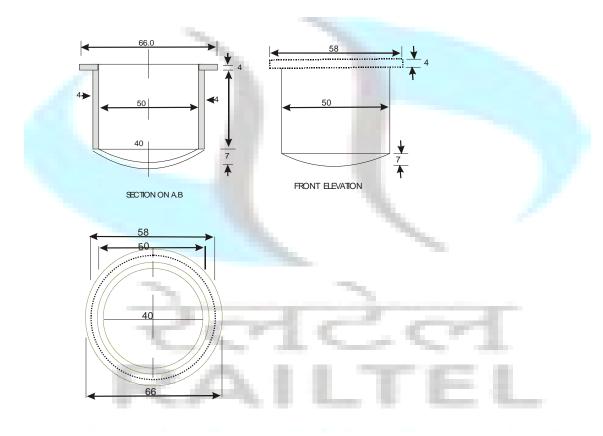
The contractor shall not be allowed to dump the empty cable drums in Govt./Public place which may cause inconvenience to the RailTel / public

Supply ofMaterials:There are some materials required to be supplied by the contractor for execution of work under this contract like Bricks, Cement, Wire Mesh and Steel for protection, etc., besides using other consumables which do/don't become the part of the asset. The contractor shall ensure that the materials supplied are of best quality and workmanship and shall be strictly in accordance with the specifications.

7.8 TECHNIQUE FOR JOINTING OF OPTICAL FIBER CABLE

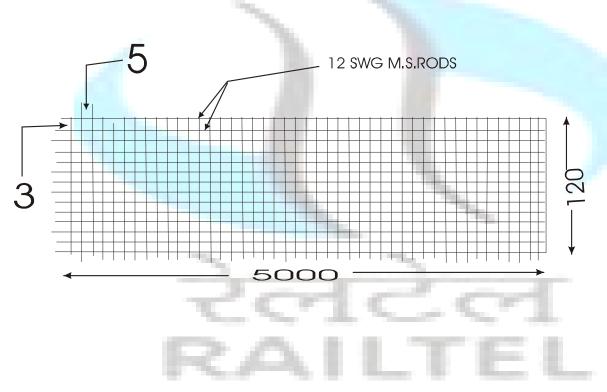
Fusion splicing shall be used for splicing fibers. This is accomplished by applying localized heating (i.e. by electric arc or flame) at the interface between two butted, pre-aligned fiber ends, causing them to soften and fuse together.

HDPE END CAPS



M.S. WELD MESH

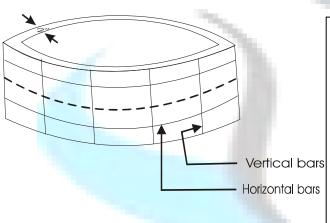
DETAILS OF 100 MM X 50 MM, 12 SWG MILD STEEL WELD MESH HAVING WIDTH OF 120 CM.



Note: All measurements are in centimeters.

SPECIFICATION AND REINFORCEMENT DETAILS OFR.C.C. JOINT PROTECTION CHAMBERS





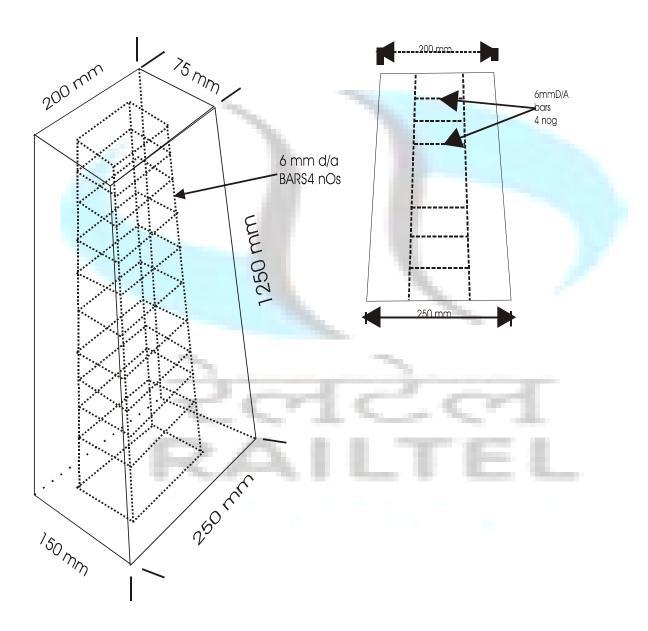
Specification:

- 1. Diameter : 1.00 Mtr.(inner side)
- 2. Thickness: 5 cm.
- 3. Height: 50 cm.
- 4. 6 mm Horizontal Iron round rings 4 Nos.
- 5. 6 mm vertical bars Iron 12 mm Nos.
- 12 gauge GI wire mesh to be wrapped before reinforcing the concrete.

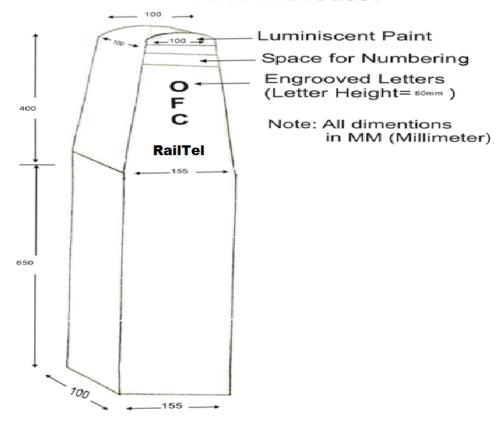
Note:

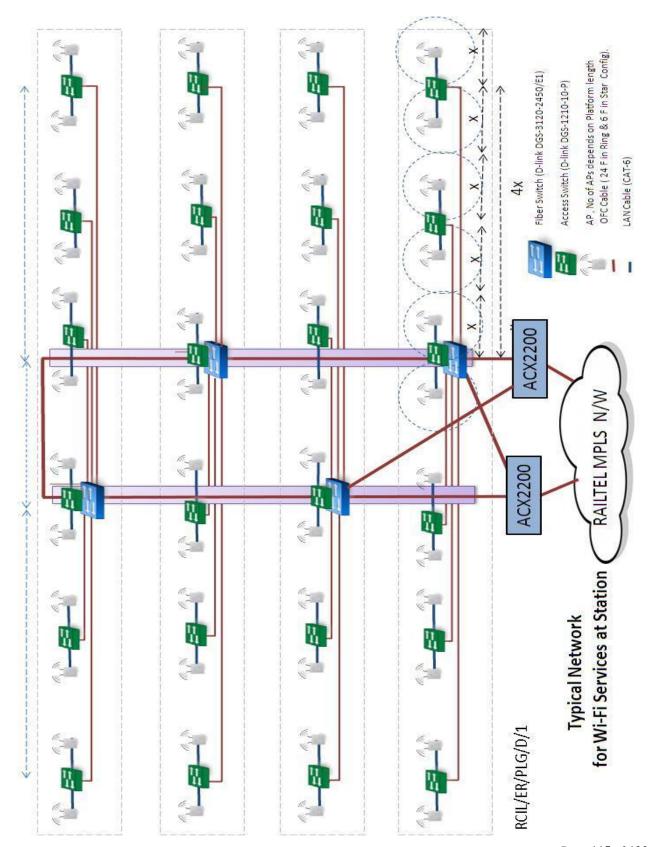
- a) Concrete 'Mix. 1: 2:3 (1 Cement : 2 Sand : 3 graded Stone aggregate 20 mm nominal size.
- b) Finishing: Smooth

RCC Route Indicator

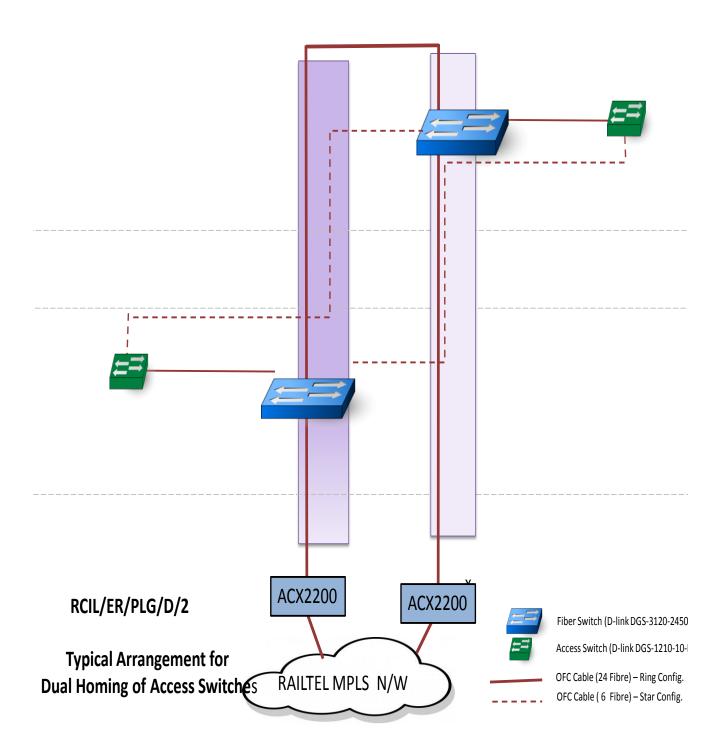


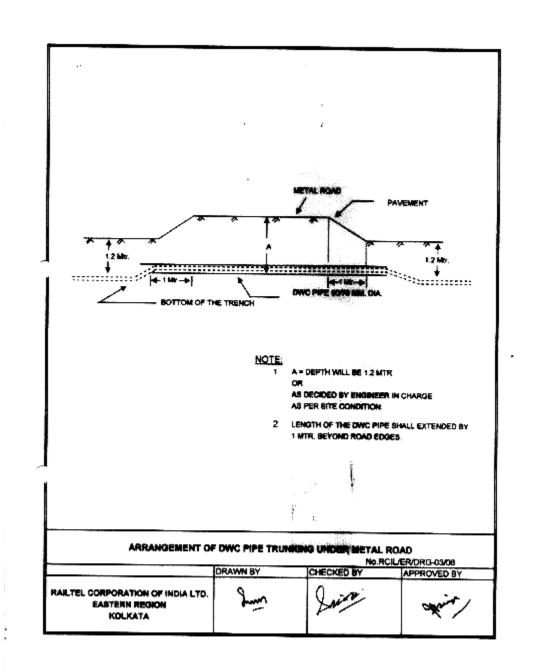
1. Stone OFC Route Indicator

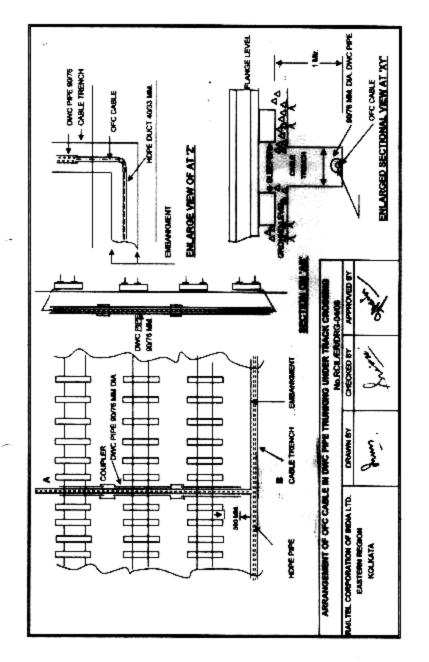




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