

Tender No: RailTel/Tender/SLT/ER/HQ/2017-18/1034 -1038

Dt. 12.09.2017

**TENDER DOCUMENT
FOR**

**"Provision of Video Surveillance System at 10 Railway
Stations, in Railtel/Eastern Region"**



**RAILTEL CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)**

EASTERN REGION

**16th Floor, Chatterjee International Centre,
33A Jawaharlal Nehru Road,
Kolkata – 700 071.**

Phone (033)44041499 FAX : (033)44041490

COST OF EACH TENDER DOCUMENT: Rs. 2,000/- + GST @ 12%
COPY NO. _____ :: SOLD TO _____

INDEX SHEET**PROVISION OF VIDEO SURVEILLANCE SYSYEM AT 10 No. RAILWAY
STATIONS IN RAILTEL/EASTERN REGION****AS PER THE LIST ATTACHED.**

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RailTel Corporation of India Limited
A Government of India (Ministry of Railways) Undertaking
Eastern Region

16thFloor, Chatterjee International Centre,
 33A Jawaharlal Nehru Road, Kolkata - 700071

TENDER NOTICE

No: RailTel/Tender/SLT/ER/HQ/2017-18/1034 - 1038, Date: 12.09.2017

Name of Work: Provision of Video Surveillance System at 10 Railway Stations in Railtel/Eastern Region.

RailTel Corporation of India Ltd.(RailTel), a Govt. of India (Ministry of Railways) Undertaking, Eastern Region, 16th Floor, Chatterjee International Centre, 33A Jawaharlal Nehru Road, Kolkata – 700071 invites Sealed Tender for the following works :-

Provision of Video Surveillance System (both supply & works) at 10 Railway Stations in Railtel/Eastern Region.

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

No.	Name of Stations	Notice No. :	Tender Value (Rs.)	EMD (Rs.)	Cost of Tender Document (Rs)
1	Rampurhat & Bhagalpur	RailTel/Tender/SLT/ER/HQ/2017-18/1034	1986858.00	39750.00	Rs. 2,000/- + GST @ 12%
2	Jasidih & Digha	RailTel/Tender/SLT/ER/HQ/2017-18/1035	1986858.00	39750.00	Rs. 2,000/- + GST @ 12%
3	Sambalpur & Balasore	RailTel/Tender/SLT/ER/HQ/2017-18/1036	1986858.00	39750.00	Rs. 2,000/- + GST @ 12%
4	Raygada & Vizianagaram	RailTel/Tender/SLT/ER/HQ/2017-1/1037	1986858.00	39750.00	Rs. 2,000/- + GST 12%
5	Danapur & Singrauli	RailTel/Tender/SLT/ER/HQ/2017-18/1038	1986858.00	39750.00	Rs. 2,000/- + GST 12%

a)	Sale of Tender Documents	From 20.09.2017
b)	Closing of sale of Tender Documents	Up to 15:00 Hrs on 25.09.2017

c)	Receipt of tender documents	Up to 15:00 hrs. on 26.09.2017
d)	Opening of tender documents.	At 15:30 hrs. on 26.09.2017
e)	Validity of offer	90 days from the date of opening of tender.
f)	Completion period	Maximum 60 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, 3rdFloor, 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. (2000/-+ 12% GST) for each tender. Tenderer has to submit tender cost for each Tender separately.
j)	Cost of each Tender document by post	Refer Tender Notice. Additional Rs. 500 payable towards postal expenses per tender document.
k)	If the tender document is downloaded from the website then the cost of tender document as stated above have to be submitted along with the offer in the form of Bank Demand Draft drawn in favour of RailTel Corporation of India Ltd. payable at Kolkata.	

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 Tender/Section will be awarded to one vendor only. But in exceptional case maximum up to two tenders/sections may be awarded to one vendor. 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.

(Pradeep Kumar)
Executive Director
RCIL/E.Region/Kolkata

OFFER LETTER

To
The Executive Director
RailTel Corporation of India Limited,
16th Floor, Chatterjee International Centre,
33A Jawaharlal Nehru Road
Kolkata - 700071

I/We _____ have read the various conditions detailed in tender documents attached here to and hereby agree to ABIDE BY THE SAID CONDITIONS. I/We also agree to keep this tender open for acceptance for a period of 90 days from the date fixed for opening the same and in default thereof, I/We will be liable for forfeiture of my/our Earnest Money. I/We offer for "Provision of Video Surveillance System at 10 Railway Stations in Railtel/Eastern Region" Tender No. **RailTel/Tender/SLT/ER/HQ/2017-18/1034 -- 1038, Date: 12.09.2017** as per specification & schedule of supply enclosed to this tender document at the rates quoted in the attached schedules and hereby bind myself/ourselves to complete the Supply/work within 60 days from the date of issue of Purchase Order. I/We also hereby agree to abide by the Various Conditions of Contract and to carry out the supplies according to the Specifications for materials and works laid down by the RailTel for the present contract.

2. A sum of Rs. **39,750.00** as an Account Payee Demand Draft No. _____ dt. _____ issued by _____ in favor of RailTel Corporation India Ltd. Kolkata is herewith forwarded as "Earnest Money". The full value of Earnest Money shall stand forfeited without prejudice to any other rights or remedies if, I/We withdraw or modify the offer within validity period to that effect.

SIGNATURE OF SUPPLIER (S)

Date

SIGNATURE OF WITNESS CONTRACTOR (S) ADDRESS

- 1.
- 2.

CHAPTER I**INSTRUCTIONS TO TENDERS**

Name of Work	Provision of Video Surveillance System (both supply & works) at 10 Railway Stations in Railtel/Eastern Region as per specification, schedule of supply & works enclosed to this tender document.
Earnest money deposit	Rs. 39750.00
Last Date for submission of Offer	26.09.17 up to 15.00 Hrs.
Date of Tender Opening	26.09.17 up to 15.30 Hrs.
Delivery/Completion Period	60 days from the date of issue of Purchase Order

- Firms registered with NSIC/any other body specified by Ministry of MSME for the supply item of this tender exempted from EMD, need not submit EMD amount. However, Proof of registration with NSIC/any other body specified by Ministry of MSME must be submitted along with offer failing which their offer will be rejected.

1.0 INSTRUCTIONS TO TENDERERS:**1.1 TENDERING INSTRUCTIONS:**

The tender document in original along with the schedule filled in and duly signed and stamped on each page, complete in all respects shall be enclosed in an envelope. While submitting the Tender documents, the Tenderer should attach a Demand Draft drawn from a nationalized bank in favour of “ RailTel Corporation of India Ltd”, payable at Kolkata, towards the EMD. The Tenderer shall also enclose in his offer that they accept all the RailTel’s terms and conditions and have not offered any counter clauses. This envelope shall then be sealed and shall be super scribed on the envelope Tender No & Description as:

**TENDER NO. RailTel/Tender/SLT/ER/HQ/2017-18/1034 -- 1038, Date: 12.09.2017
“Provision of Video Surveillance System (both supply & works) at 10 Railway Stations in Railtel/Eastern Region”.**

1.2 Tender cover should be addressed to The Executive Director, RailTel Corporation of India Ltd, Eastern Region, 16th Floor, Chatterjee International Centre, 33A Jawaharlal Nehru Road, Kolkata-700071. The Tender should reach the office of The Executive Director, RailTel Corporation of India Ltd, Eastern Region on or before 15.00 hrs. on 26.09.17. The Tender will be opened on the same day at 15.30 hrs. If it is happened to be a holiday, tender will be opened on the next working day at the same time.

1.3 SUBMISSION OF OFFERS AND FILLING OF TENDER:

- Tender form is not transferable and the tender should be submitted by the party in whose favour the same has been issued.

- b. Tenderers, should quote in the prescribed form, duly filled in and signed, accompanied with the signed Tender documents. Tenderers may also quote in their own letter-head, accompanied with signed tender documents. For such offers without signed tender documents, the RailTel reserve their right to ignore the same. However, these may be considered on merits in deserving cases. In the event of placement of orders on such Tenderers, they shall have to sign the Tender documents (sent by the RailTel or subsequently on payment) as token of acceptance of General and Special Conditions of Tender and Standard Conditions of Contract, before placement of orders on them.
 - c. Offer form, tender schedule and firm's letter head (if used) must be duly signed by the Tenderer in each page.
 - d. The Tenderers should avoid over writings and corrections. However if such corrections and over writings become inescapable, these are to be properly and legibly corrected. Offers with correction/over writing should be properly attested by the Tenderer at every correction.
 - e. The percentage bid should be written both in words and figures as available in Chapter-III/SOR. The unit of rates should be in metric system and as per tendered specification/schedule. In case of difference between words and figures, the rate in words will prevail. However this does not preclude the RailTel for availing themselves of the lower rates of the two.
 - f. Tenderers are requested to go through the Standard Conditions of Contract, Special Conditions of Contract, Instructions to Tenderers, General and Special Tender conditions carefully and note that, by submitting the tender documents, duly signed, they have accepted these conditions and undertake to abide by these conditions.
 - g. Tenderer should submit detailed compliance statement covering all the descriptions for the schedule of items No.1,2,3 &8 as per the RDSO specification. (Ref. Chapter IV S. No 16.)
- 1.2 Tender sealed and superscripted as mentioned above can also be sent by Courier/Registered Post/ in person, to the above mentioned Office. The Tenders which are received after the time and date specified above shall not be considered. For delays by Department of Posts/courier agency etc., RailTel will not be responsible. Bids received after due date and time shall be summarily rejected and shall not be opened.

2.0 EARNEST MONEY

- 2.1 The Tenderer shall deposit a sum of Rs. 39750.00 per Tender, as earnest money along with the tender in favour of RailTel Corporation of India Ltd., payable Kolkata. Tenders without earnest money will be summarily rejected. Earnest Money of unsuccessful Tenderers shall be returned & that of successful Tenderer to be converted to Security Deposit.

2.2 EMD should remain valid for a period of 45 days beyond the final bid validity period.

2.3 **Forfeiture of Earnest Money:**

When the Tenderers undertake to keep the offers valid for a particular period but if the offer is withdrawn or revised within the validity period, the Administration gets the right to forfeit the Earnest Money Deposit.

2.4 No interest is allowed on this Deposit and RailTel Corporation reserves the right to forfeit the Earnest Money Deposit in case of failure on part of the contractor to fulfill the conditions of contract.

3 **Security Deposit** has to be remitted by the successful Tenderer as per the Conditions of the contract towards satisfactory completion of the work under the contract as detailed below.

3.1 On receipt of the Letter of Acceptance of Tender from the RailTel, the successful Tenderer shall within a period of 15 days deposit an amount equalling to 5% of contract as Security deposit for due fulfilment of the contract.

3.2 The Earnest Money already paid by the successful Tenderer (see Clause 5 of Instructions to Tenderers and Conditions of Tendering) may at the discretion of the successful Tenderer be adjusted towards payment of this Security deposit and the additional amount shall be paid in any one of the following forms:

(a) Bank draft

(b) Irrevocable Bank Guarantee issued by any scheduled bank acceptable to purchaser

(c) Deposit Receipt

3.3 The Security Deposit will bear no interest.

3.4 The Instruments for security deposit should be valid for three months beyond the warranty period. On completion of warranty period and on certification of concerned RailTel engineer for the entire work, the security deposit will be refunded or Bank guarantee released to the contractor after adjustment of any dues payable by the contractor.

4. **CONTRACT PERFORMANCE GUARANTEE (PBG)**

1. On receipt of the Letter of Acceptance of Tender from the RailTel, the successful Tenderer should give a Performance Guarantee in the form of irrevocable bank guarantee/DD/Deposit receipt from any Nationalized Bank or Scheduled Bank in the Form given in Tender document amounting to 5% of the contract value.

2. The Performance Guarantee should be furnished by the successful contractor after letter of acceptance has been issued, but before signing of the agreement. The agreement should normally be signed within

15(fifteen) days after issue of LOA and Performance Guarantee should also be submitted within this time limit. The Instruments for Performance Guarantee should be valid for three months beyond the completion of the work.

3. Performance Guarantee shall be released after satisfactory completion of the work, and on certification by RailTel engineer in-charge
4. Wherever the contracts are rescinded, the security deposit should be forfeited and the Performance Guarantee shall be en-cashed by RailTel.
5. The balance work shall be got done independently without risk and cost to the original contractor.
6. The original contractor shall be debarred from participating in the tender for executing the balance work. If the failed contractor is a Joint Venture (JV) or a partnership firm, then every member/partner of such a firm would be debarred from participating in the tender for the balance work either in his/her individual capacity or as a partner of any other JV/partnership firm.
7. Late and delayed tenders will not be accepted.

5.0 ATTENDANCE OF REPRESENTATIVES FOR TENDER OPENING:

For Open Tenders and Special Limited Tenders, representatives of Tenderers desirous to attend the tender opening can do so on production of a proper letter of authority from the respective firm, failing which they may not be allowed to attend the tender opening. Authorized representatives of those firms who have submitted the tender documents alone shall be allowed to attend the tender opening.

6.0 GENERAL

- 6.1 All corrections and over-writing must be attested
- 6.2 The Tenderer should read the conditions carefully and also see the schedule of requirement and technical specifications before submitting the offer.
- 6.3 No counter conditions for the clauses laid down will be permitted. Such offers are liable for rejections without intimation.
- 6.4 In all matters of dispute, the decision of The Executive Director, RailTel Corporation of India Ltd, Eastern Region, 16th Floor, Chatterjee International Centre, 33A Jawaharlal Nehru Road, Kolkata-700071 shall be final and binding.
- 6.5 Tenderer while quoting may specifically note the following:
 - a) All prices shall be inclusive of all taxes/duties/Freight as applicable, except GST.
 - b) During the course of supply, any statutory variation in taxes/duties shall be to RailTel account and shall be admissible on production of valid documentary evidence. Tenderer may submit the taxes / duties structure considered by him while quoting the rates.

6.6 Completion Period:

60 days from the date of issue of Purchase Order.

6.7 Destination: As per Tender Notice. However the sites/stations may be

changed by RailTel if necessary.

6.8 PENALTY FOR DELAY IN COMPLETION

- a) The contractor fails to execute and complete the work within the time specified in the Agreement or within the period of extension granted the contractor shall accept reduction in the total amount payable to him by the purchaser at the rate of **0.5% per week or part thereof** (rounded off to the nearest whole number) of the total value of the contract for the actual delay occasioned beyond the appointed time by which the work shall have been completed under the contract.
- b) The total value of penalty on account of above shall be **limited to maximum of 10% (Ten percent)** of the total contract value.

6.9 MEASUREMENT OF WORKS: Payments for the works shall be made in accordance with approved designs & drawings and measured in relevant units except where provided or otherwise. The measurements will be made generally in accordance with standard engineering practices.

6.10 Warranty Period:

- (i) The Contractor/Seller hereby covenants that it is a condition of the contract that all goods/stores/articles furnished to the Purchaser under this contract shall be of the highest grade free of all defects and faults and of the best materials, quality, manufacture and workmanship throughout and consistent with the established and generally accepted standards for materials of the type ordered and in full conformity with the contract specification, drawing or sample, if any and shall, if operable, operate properly.
- (ii) The Contractor also guarantees that the said goods/stores/articles would continue to conform to the description and quality as aforesaid, for a period 12 months from the date of placement in service and this warranty shall survive notwithstanding the fact that the goods/stores/articles may have been inspected, accepted and payment thereof made by the Purchaser.
- (iii) If during the aforesaid period, the said goods/stores/articles be discovered not to conform to the description and quality aforesaid or have deteriorated, otherwise that by fair wear and tear the decision of the Purchaser in that behalf being final and conclusive that the Purchaser will be entitled to reject the said goods/stores/articles or such portions thereof as may be discovered not to conform to the said description and quality. On such rejection, the goods/stores/articles will be at the Seller's risk. If the Contractor/Seller so desires, the rejected goods may be taken over by him or his agents for disposal such manner as he may deem fit within a period of 3 months from the date of such rejection. At the expiry of the period, no claim whatsoever shall lie against the Purchaser in respect of the said goods/stores/articles, which may be disposed of by the Purchaser in such manner as he thinks fit.

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

7.0 Paying Authority: Bill passing officer is GM, RailTel, Kolkata and paying officer is DGM (Finance), RailTel, Kolkata.

8.0 PAN: PAN&GST No, Bank Name, A/c No, IFS code, Bank location, Beneficiary Name details to be mentioned on the bill for arranging payment.
(RailTel PAN: AABCR7176C,GSTno:-----)

SL NO.	State	State Code	Party Name	Provisional Registration	Provisional ID	Address
1	BIHAR	10	Railtel corporation of india Ltd	Yes	10AABCR7176 C1ZS	INTEGRATED TRAIN ENQUIRY S, PATNA, Bihar, 800001
2	JHARKH AND	20	Railtel corporation of india Ltd	Yes	20AABCR7176 C1ZR	SOUTH EATERN, Ranchi, Jharkhand, 834001
3	ODISHA	21	Railtel corporation of india Ltd	Yes	21AABCR7176 C1ZP	1st Floor, Annex Building, B-Block,, Annex Building, B-Block,P.O. Chandrasekharpur,K hordha, Odisha, 751022
4	WEST BENGAL	19	Railtel corporation of india Ltd	Yes	19AABCR7176 C1ZA	16th Floor, 33A J L Nehru Road, Park street, Kolkata 700071
5	MP	23	Railtel corporation of india Ltd	Yes	23AABCR7176 C1ZL	238-A, Second Floor, Shaswat Tower, Zone - I, MP Nagar, Bhopal, Madhya Pradesh

9.0 Rate, Taxes & Duties

- 9.1 The price quoted should be firm and exclusive of GST. The offer should be inclusive of packing, forwarding, freight & insurance charges and all other charges also.. However, the detailed breakup of the taxes, and other charges should be indicated clearly.

9.2 Tenderer should submit offer on FOR destination basis. Tenderers should clearly indicate, separately ex-works basic price, packing charges, forwarding charges and freight charges up to destination, applicable for each unit tendered. Therefore, if the Tenderer happens to quote a composite price, due break-up is to be given showing freight and forwarding charges separately. If necessary, please use a separate sheet, wherever required.

9.3 a) While quoting the rates, Tenderer should pass on the set off/input tax credit that would become available to them.

b) In case the successful Tenderer is not liable to be registered under GST Act, RailTel shall deduct the applicable GST for the bills under RCM and deposit the same to concerned tax authority.

9.4 **Validity:**

Tenderers are to keep validity of their offer open for a minimum period of 90 days. Offers with validity period of short duration may be taken as unresponsive to RailTel's requirements.

10.0 Evaluation Criteria:

- i) The Tenderer's offers must be Technically Suitable for consideration of the offer.
- ii) The Total All Inclusive Rate except GST given in Schedule, will be criteria for deciding the inter-se-position and consideration of offers against the Schedule of Requirements given in the Schedule A,.
- iii) Inter-se position of the offers will be determined on Total Unit Rate basis which will include basic rate taxes, Packing charges, Forwarding charges, Installation and commission charges, freight, insurance and any other charge or cost quoted by the Tenderer except GST.
- iv) Rates quoted by the Tenderers with discounts if any linked to quantity and other vague clauses will not be considered for determining inter-se position of the offers. Discounts with conditions attached to early payment, early Receipt notes etc., will be ignored for determining inter-se position of the offers. However, RailTel may avail the discounts linked to quantity, early payment, early receipt notes etc. if otherwise, firm's offer is found to be acceptable.

11.0 PURCHASER'S RIGHT TO VARY QUANTITIES

The Purchaser reserves the right to increase or decrease by up to 25% of the quantity of goods and services specified in the Schedule of Requirements without any change in unit price of the ordered quantity or other terms and conditions during currency of the contract (ie 1year from date of Issue of P.O.).

12.0 PURCHASER'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS

The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of contract without assigning any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds for the Purchaser's action.

13.0 SPLITTING OF ORDER

RailTel will have right to split the order among two or more suppliers.

14.0 Annulment of Award

Failure of the successful bidder to comply with the purchase order shall constitute sufficient ground for the annulment of the award and forfeiture of SD in which event the Purchaser may make the award to any other bidder at the discretion of the Purchaser or call for new bids.

15.0 UNIT PRICES

- 15.1 The prices quoted by the Tenderer shall include prices of all materials, incidental charges for transport, loading/unloading and handling of materials, charges for arranging dispatch by rail/road direct from manufacturer's factory. The prices would also include charges towards completing all necessary formalities such as submission of forwarding notes, arranging placement of Wagon, Siding/shunts charges, banker's charges for Bank Guarantee, Indemnity Bonds inclusive of cost of Stamp etc. As applicable and also the charges, if any, levied by the Railway.
- 15.2 The prices shall include all Taxes and levies except GST etc applicable on this contract.
- 15.3 The prices quoted by the Tenderer shall include costs towards Administration of Contract, Insurance Premium, Banker's charges for guarantees, cost of storage, loading-unloading and handling of materials, Road transport which the contractor may use for carriage of materials to his depot/ site of work and any other charges incurred towards delivery of the material at site. The prices shall also include the cost of works and adjustments necessary to be done by the contractor during or after tests carried out by the purchaser.
- 15.4 The price to be quoted by the Tenderers should take into account the credit availed on inputs under the GST scheme. The Tenderers 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. The bidder in this regard may submit the details of breakup of all taxes so that RailTel can avail the credit benefits.
- 15.5 The prices quoted in the contract shall be exclusive of GST. The Tenderer will indicate the details of taxes included in the unit prices. Offer received without specific details/ break up of various taxes included in the unit prices are liable to be summarily rejected.

15.6 The purchaser shall make statutory deductions if required to do so. The deducted amount shall be remitted to the concerned authority and the purchaser shall in no way be responsible for any disputes between such authorities and the contractor in this regard.

15.7 All taxes 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.

15.8 Arrangement for all permits/ licenses required for delivery of materials at site including Road Permits etc. will be the responsibility of contractor and the Contractor will have to make his own arrangements. No import license shall be arranged by the RailTel for this work.

15.9 The price shall be firm in Indian Rupees and FOR Destination. No foreign Exchange will be made available by the purchaser

15.10 The breakup of the composite price of each item of SOR in terms of basic Unit price. Freight, Forwarding, packing, Insurance and any other Levies/charges already paid or payable by the supplier shall also be indicated separately.

15.11 The price quoted by the bidder shall remain fixed during the entire period of Other statutory levies/charges shall be payable as per actual at the time of delivery Based on documentary evidence.

16.0 Clause wise Compliance

Clause wise compliance statement of the Terms & Conditions shall be enclosed with the offer along with the technical literature of the material statement deviation given in chapter VIII of tender document and other documents in support of relevant clauses.

17.0 FORCE MAJEURE CLAUSE

If at any time during 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 or 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.

18.0 ARBITRATION:

- 18.1** Any dispute or differences of any kind whatever arising in connection with the Contract or the carrying out of the works (whether during the progress of the works or after their completion and whether before or after the determination, abandoned or breach of the Contract) shall be referred to and settled by the sole arbitrator in accordance with the provisions contained in arbitration and conciliation Act, 1996.
- 18.2** The sole arbitrator shall be appointed by ED/ER of RailTel Corporation of India Limited/Eastern Region. It is expressly understood between the parties that no objection shall be raised at time after execution hereof to the appointment of the arbitrator by the ED of RailTel Corporation of India Limited/Eastern Region including that the person appointing the arbitrator is connected to and / or employed with RailTel Corporation of India Limited/ER.
- 18.3** The venue of the arbitration shall be New Delhi (India). The arbitration proceedings shall be conducted in English and the cost of the arbitration shall be borne between the parties in equal proportion.
- 18.4** The arbitrator shall give a reasoned award, which shall be binding on the parties.

19.0 FAILURE AND TERMINATION:-

- 19.1.1** If the Contractor fails to deliver the stores or complete the work or any installment thereof within the period fixed for such delivery in the contract or as extended or at any time repudiates the contract before the expiry of such period the Purchaser may without prejudice to his other rights:-
- (a) Recover from the Contractor as agreed liquidated damages and not by way of penalty a sum equivalent to 2 per cent of the price of any stores (including elements of taxes, duties, freight, etc.) which the Contractor has failed to deliver within the period fixed for delivery in the contract or as extended for each month or part of a month during which the delivery of such stores may be in arrears where delivery thereof is accepted after expiry of the aforesaid period.
 - (b)
 1. Risk Purchase clause is deleted for all orders, as levy of 10% Security deposit has been made compulsory. In case of failure of contract, Security Deposit shall be forfeited. Such failure shall be recorded & will be considered by RailTel on merit in future cases.
 2. In such cases as covered under (1) above, the quantities unsupplied shall be procured independently without risk and cost of the original firm/supplier.

3. Adverse performance of such firms will be recorded and intimated to the approving authority & also to be taken into account in future tender cases on merit.

20.0 Consequences of Rejection:

If on the stores being rejected by the Inspecting Officer or Interim Consignee or Consignee at the destination, the Contractor fails to make satisfactory supplies within the stipulated period of delivery, the Purchaser shall be at liberty to: -

- (i) Require the Contractor to replace the rejected stores forthwith but in any event not later than a period of 21 days from the date of rejection and the Contractor shall bear all cost of such replacement including freight, if any, on such replacing and replaced stores but without being entitled to any extra payment on that or any other account.
- (ii) Purchase or authorize the purchase of quantity of the stores rejected or others of a similar description (when stores exactly complying with particulars are not in the opinion of the Purchaser, which shall be final, readily available) without notice to the Contractor at his risk and cost and without affecting the Contractor's liability as regards the supply of any further installment due under the contract, or
- (iii) Where under the contract the price payable is fixed F.O.R 10 dispatching station, the Contractor shall, if the stores are rejected at destination by the consignee, be liable, in addition to his other liabilities, including refund of price recoverable in respect of the stores so rejected, to reimburse to the Purchaser the freight and all other expenses incurred by the Purchaser in this regard.

CHAPTER-II
GENERAL TENDER CONDITIONS

1.0 Acceptance of the Offers:-

The RailTel is not bound to accept the lowest or any offer nor to assign any reason for doing so and reserve to himself the right to accept any offer in respect of the whole or any portion of the item specified in the tender and contractor shall be required to supply at the rate quoted.

1.1 Quantity to be ordered:

- a) RailTel reserves the right to cancel the tender for full or part quantity tendered without assigning any reason.
- b) The purchaser reserves the right to increase and /or decrease the order quantity by a quantity not exceeding 25% of the ordered quantity on the same price and terms and conditions during the currency of the contract, with suitable delivery schedule for the enhanced quantity.

1.2 TERMS OF PAYMENT

1.2.1 All bills shall be submitted to the Executive Director/Eastern Region/RailTel under whose jurisdiction the work is to be executed. While submitting the bills, the break-up of taxes may be furnished.

1.2.2 Subject to any deductions or recovery which RailTel may be entitled to make under contract, the Contractor will be entitled to be paid from time to time by way of 'on account payment' for supply of goods and 'progress payment' for works as in the opinion of the Engineer he has executed in terms of Contract.

1.2.3 ON ACCOUNT PAYMENT FOR SUPPLY OF EQUIPMENT & MATERIAL

"On account payment" for supply of equipments, materials indicated in the Schedule of Requirements subject to recoveries of liquidated damages, if any, shall not be made more than twice in a calendar month as given below:

75% (Seventy five percent) of the value of equipments/ material supplied of each consignment shall be paid on production of the following documents:

- (a) On receipt of materials at site as certified by the purchaser's representative.
- (b) Original Inspection certificate issued by Inspecting Officer/RDSO.
- (c) Challan / Invoice in duplicate.
- (d) A certificate that the materials supplied are as per the contract and the amount claimed in the invoice is correct as per terms of the contract.

1.2.4 The on account payments made will subsequently be adjusted against payments due on Provisional Acceptance or Final Acceptance.

1.2.5 15% (Fifteen percent) value of goods supplied shall be paid after the successful completion of installation & commissioning of these equipments at various locations and commissioning of the Station concerned and completion of all measurements and testing to the satisfaction of Engineer.

- 1.2.6 5% (Five percent) value of the goods supplied shall be paid after the successful completion of installation & commissioning of whole system and issue of "Provisional Acceptance Certificate" by Purchaser's Engineer.
- 1.2.7 20% payment against the items supplied under the Schedule of supply but not installed/not required to be installed shall be paid after the successful completion of installation & commissioning of whole system and issue of "Provisional Acceptance Certificate" for the last section by Purchaser's Engineer.
- 1.2.8 **PROGRESS PAYMENT FOR EXECUTION OF WORKS:**
'Progress payment' shall be made separately for each item/sub-item of work given in the Schedule of Requirements (SORs):
- 1.2.9 90% (Ninety percent) of the On-Account/Progress payment shall be made after successful completion of work of each station after joint measurement and detailed checking to the satisfaction of Engineer.
- 1.3.0 payment of 5% (Five percent) value of the works/services, supply of all SOR items as completed shall be made after the issue of **Provisional Acceptance Certificate**, and issue of re-conciliation certificate for all material issued by RailTel, if any, jointly signed by the contractor and RailTel's engineer.
- 1.3.1 **FINAL PAYMENT**
Final payment of 5%(Five percent) of the contract value shall be made after satisfactory operation & maintenance of the work under the supervision of the contractor for a period of one year from the date of issue of PAC and issue of Final Acceptance Certificate.
- 1.3.2 **DEDUCTION FROM ON ACCOUNT PAYMENT BILLS**
- a) 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.
 - b) All such claims of RailTel shall, however, be duly supported by appropriate and certified vouchers, receipts or explanations as are available to enable the Contractor to identify such claims.
- 1.4.1 **Work Completion Schedule:**
- a) The Tenderers are to note that, vague Delivery/Completion terms must be avoided and if quoted will be taken as commercially unresponsive to RailTel's requirement.
 - b) Time for and the Date of delivery as specified in the Purchase Order is the essence of the Contract. However extension of completion date may be considered in deserving cases where genuine reasons exist. Such extensions of completion dated may be considered with Liquidated damages and Denial Clause as per conditions of Contract.

1.4 Marking of Material Supplied:

The Tenderer should agree to indicate the Manufacture's Name, Month and Year of manufacturing by casting/stamping/etching/embossing, at an appropriate place of each piece supplied, without affecting the functional utility and structural stability of the components/material.

1.5 PROVISIONAL ACCEPTANCE

Immediately after the completion of the work of each Station, in all respects, the contractor shall certify and advise the purchaser in writing that the installation is (i) complete (ii) ready to be handed over and (iii) submit 3 sets of final cable route plan in hard bound copies on white bond paper of A4 size maximum and 03 sets of CD.

The test or tests specified in Technical supplement will be conducted jointly by purchaser, and contractor as soon as possible after receipt of advice of completion of one station by purchaser from the contractor. The test schedule shall be finalized by mutual discussion between the contractor and M/s. RailTel Corporation of India Limited.

Purchaser's Engineer shall issue a Provisional Acceptance certificate for successful commissioning of the entire section covering all materials and services included in the Schedule of works as per the approved test procedures which have been completed and the performance has been found to meet the specifications. RailTel's decision in this respect shall be final. The Provisional Acceptance Certificate shall be signed by both the parties. The period of maintenance/warranty of works shall commence from the date of issue of the Full Provisional Acceptance Certificate.

1.6 FINAL ACCEPTANCE CERTIFICATE (FAC)

1.6.1 The final acceptance of the works completed shall take effect from the date of expiry of the period of warranty period as defined in clause 1. i.e. on the expiry of the warrantee period from the date of issue of PAC 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.

1.6.2 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.

1.5 Purchaser's right to accept any Bid and to reject any or all Bids:

The Purchaser reserves the right to accept or reject bid, to annul the process at any time prior to award of contract without assigning any reason

whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds for the Purchaser's action.

1.8 Issue of Confirmed Supply Order :

RailTel will issue the Supply Order within validity period of offer

2.0.1 INSPECTION & REJECTION:-

Where under a contract the price payable is fixed on F.O.R. station of dispatch basis, the Contractor shall, if the consignee rejects the stores at destination be liable in addition to his other liabilities, to reimburse to the Purchaser the freight paid by the Purchaser.

2.0.2 Notification of Result of inspection: Unless otherwise provided in the specification of schedule, the examination of the stores will be made as soon as practicable after the same have been submitted for inspection and the result of the examination will be notified to the Contractor.

CHAPTER-III

SCHEDULE OF REQUIREMENT

Provision of Video Surveillance System at 10 Railway Stations in Railtel/ Eastern Region.

Tender No.: RailTel/Tender/SLT/ER/HQ/2017-18/1034 Date: 12.09.2017

Section : Rampurhat & Bhagalpur.

Sl	Description of Item	Unit	Rate in Rs.	Rampurhat	Bhagalpur	Qty	Amount (Rs)
				Qty	Qty		
1	Supply and installation of fixed Box type IP colour Cameras as per RDSO SPEC. No. RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest, (Necessary enclosures, clamps, fixing arrangements to fix cameras on ceiling, PF shelters, foot over bridges etc., to be supplied and fixed by the contractor as directed by Railway Engineer at site) (Inspection by RDSO)	No	14,490.00	15	15	30	434700.00
2	Supply and Installation of Network Video Recorder with 64 CH with HDMI, ONVIF (Minimum of 16 TB usable space or higher, scalable up to 64 TB) as per RDSO spec No. RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest including all required software. (Inspection by RDSO)	No	349200.00	1	1	2	698400.00
3	Supply and installation of P/T/Z(Pan/Tilt/Zoom) IP colour cameras as per RDSO SPEC. No. RDSO/SPN/TC/ 65/2016 revision 4.0 or latest, at Nungambakkam Railway station (Necessary enclosure, clamps, fixing arrangements to fix cameras on ceiling, PF shelters, foot over bridges etc., to be supplied and fixed by the contractor as directed by Railway Engineer at site) (Camera inspection by RDSO)	No	107640.00	1	1	2	215280.00
4	Supply and installation of computer table (to keep work station, monitor, mouse and keyboard) and revolving chair-Godrej or featherlike or Zuari make.	No	15,000.00	1	1	2	30000.00
5	Supply and installation of 6 U height 19" size covered rack with (1) front side transparent door with lock arrangement (2) cable organizers (3) provision of one number power supply (each consists of 6 Nos x 15A/15A multi pin sockets with ON/OFF switch and fuse arrangement) strip HCL or Rittal or APW or president make.	No	8,811.00	1	1	2	17622.00
6	Supply and installation of 42 U height x 1000mm depth x 600mm width covered server Rack with (1) front side transparent door with lock arrangement (2) fitted with one number FAN tray with 4Nos of 230V operated fans (3) cable organizers 2 nos	No	46,196.00	1	1	2	92392.00

	(4) Provision of two nos of horizontal power supply (each consists of 8Nos x 15A/5A multi pin sockets with ON/OFF switch and fuse arrangement) strip. HCL or Rittal or APW president make.						
7	Supply and installation of 10 port (2 Optical & 8 Electrical Ports) PoE (Access) switch with SFP ports as per the specification in chapter IV (para 16.8)	No	12,500.00	2	2	4	50000.00
8	Provision of large format display monitor as per as per RDSO SPEC. No.RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest.	No.	51252.00	1	1	2	102504.00
9	Supply and installation of 5KVA online UPS with suitable batteries for minimum 60 minutes backup time. APC or numeric make.	No	67,980.00	1	1	2	135960.00
10	Miscellaneous expenses related to supply and installation of OFC, Electric wires, Earthing etc (including petty expenses).	LS	100,000.00	1	1	2	200000.00
11	Expense/POE injector for testing Fiber and Access Switches.	LS	5000	1	1	2	10000
Total (Rs. Nineteen Lacs Eighty Six Thousand Eight Hundred and Fifty Eight only)							1986858.00
Percentage Bid at Par/Below/Above				In Figure	In Word		

Note:

- i) All the rates mentioned above are exclusive of Taxes (GST)& Duties.
- ii) The item No. 3 (PTZ Camera) is included in the schedule, but RailTel will have the full right to operate it according to the site survey and situation.
- iii) Any discrepancy between figures and words, amount in words shall be reckoned for consideration.
- iv) If there is any discrepancy in the total amount and the Unit Rate, the value shown in the Unit Rate shall be considered for the evaluation.
- v) Rate quoted should be inclusive of all taxes except GST. However break-up of all taxes should be shown in a separate sheet for each individual item which includes contractor percentage. A Performa of Invoice must be enclosed along with the offer.
- vi) The List is only indicative. There can be addition/deletion of the link as per requirement.
- vii) The quantities are only indicative there can be change in the quantity as per site requirement. Payment will be done as per actual material supplied/work executive.
- viii) Change of location for a particular work in partial/full as per the RailTel requirement to be carried out in the same rate quoted by the Tenderer.
- ix) Contractor G.S.T Regn No :
Contractor PAN No :
Breakup of Taxes :

**Signature of Tenderer with
Seal**

Provision of Video Surveillance System at 10 Railway Stations in Railtel/ Eastern Region.

Tender No.:RailTel/Tender/SLT/ER/HQ/2017-18/1035 Date: 12.09.2017

Section : Jasidih & Digha.

Sl	Description of Item	Unit	Rate in Rs.	Jasidih	Digha	Qty	Amount (Rs)
				Qty	Qty		
1	Supply and installation of fixed Box type IP colour Cameras as per RDSO SPEC. No.RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest, (Necessary enclosures, clamps, fixing arrangements to fix cameras on ceiling, PF shelters, foot over bridges etc., to be supplied and fixed by the contractor as directed by Railway Engineer at site) (Inspection by RDSO)	No	14,490.00	15	15	30	434700.00
2	Supply and Installation of Network Video Recorder with 64 CH with HDMI,ONVIF (Minimum of 16 TB usable space or higher, scalable up to 64 TB) as per RDSO spec No. .RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest including all required software. (Inspection by RDSO)	No	349200.00	1	1	2	698400.00
3	Supply and installation of P/T/Z(Pan/Tilt/Zoom) IP colour cameras as per RDSO SPEC. No. RDSO/SPN/TC/ 65/2016 revision 4.0 or latest, at Nungambakkam Railway station (Necessary enclosure, clamps, fixing arrangements to fix cameras on ceiling, PF shelters, foot over bridges etc., to be supplied and fixed by the contractor as directed by Railway Engineer at site) (Camera inspection by RDSO)	No	107640.00	1	1	2	215280.00
4	Supply and installation of computer table(to keep work station, monitor, mouse and keyboard) and revolving chair-Godrej or featherlike or Zuari make.	No	15,000.00	1	1	2	30000.00
5	Supply and installation of 6 U height 19" size covered rack with (1) front side transparent door with lock arrangement (2) cable organizers (3) provision of one number power supply (each consists of 6 Nos x 15A/15A multi pin sockets with ON/OFF switch and fuse arrangement) strip HCL or Rittal or APW or president make.	No	8,811.00	1	1	2	17622.00
6	Supply and installation of 42 U height x 1000mm depth x 600mm width covered server Rack with (1) front side transparent door with lock arrangement (2) fitted with one number FAN tray with 4Nos of 230V operated fans (3) cable organizers 2 nos	No	46,196.00	1	1	2	92392.00

	(4) Provision of two nos of horizontal power supply (each consists of 8Nos x 15A/5A multi pin sockets with ON/OFF switch and fuse arrangement strip. HCL or Rittal or APW president make.						
7	Supply and installation of 10 port (2 Optical & 8 Electrical Ports) PoE (Access) switch with SFP ports as per the specification in chapter IV (para 16.8)	No	12,500.00	2	2	4	50000.00
8	Provision of large format display monitor as per as per RDSO SPEC. No.RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest.	No.	51252.00	1	1	2	102504.00
9	Supply and installation of 5KVA online UPS with suitable batteries for minimum 60 minutes backup time. APC or numeric make.	No	67,980.00	1	1	2	135960.00
10	Miscellaneous expenses related to supply and installation of OFC, Electric wires, Earthing etc (including petty expenses).	LS	100,000.00	1	1	2	200000.00
11	Expense/POE injector for testing Fiber and Access Switches.	LS	5000	1	1	2	10000
Total (Rs. Nineteen Lacs Eighty Six Thousand Eight Hundred and Fifty Eight only)							1986858.00
Percentage Bid at Par/Below/Above				In Figure		In Word	

Note:

- i) All the rates mentioned above are exclusive of Taxes (GST)& Duties
- ii) The item No. 3 (PTZ Camera) is included in the schedule, but RailTel will have the full right to operate it according to the site survey and situation
- iii) Any discrepancy between figures and words, amount in words shall be reckoned for consideration
- iv) If there is any discrepancy in the total amount and the Unit Rate, the value shown in the Unit Rate shall be considered for the evaluation
- v) Rate quoted should be inclusive of all taxes except GST. However break-up of all taxes should be shown in a separate sheet for each individual item which includes contractor percentage. A Performa of Invoice must be enclosed along with the offer
- vi) The List is only indicative. There can be addition/deletion of the link as per requirement
- vii) The quantities are only indicative there can be change in the quantity as per site requirement. Payment will be done as per actual material supplied/work executive
- viii) Change of location for a particular work in partial/full as per the RailTel requirement to be carried out in the same rate quoted by the Tenderer
- ix) Contractor G.S.T Regn No :
Contractor PAN No :
Breakup of Taxes :

**Signature of Tenderer with
Seal**

Provision of Video Surveillance System at 10 Railway Stations in Railtel/ Eastern Region.

Tender No.: RailTel/Tender/SLT/ER/HQ/2017-18/1036 Date: 12.09.2017
Section : Sambalpur & Balasore

Sl	Description of Item	Unit	Rate in Rs.	Sambalpur	Balasore	Qty	Amount (Rs)
				Qty	Qty		
1	Supply and installation of fixed Box type IP colour Cameras as per RDSO SPEC. No.RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest, (Necessary enclosures, clamps, fixing arrangements to fix cameras on ceiling, PF shelters, foot over bridges etc., to be supplied and fixed by the contractor as directed by Railway Engineer at site) (Inspection by RDSO)	No	14,490.00	15	15	30	434700.00
2	Supply and Installation of Network Video Recorder with 64 CH with HDMI, ONVIF (Minimum of 16 TB usable space or higher, scalable up to 64 TB) as per RDSO spec No. .RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest including all required software. (Inspection by RDSO)	No	349200.00	1	1	2	698400.00
3	Supply and installation of P/T/Z(Pan/Tilt/Zoom) IP colour cameras as per RDSO SPEC. No. RDSO/SPN/TC/ 65/2016 revision 4.0 or latest, at Nungambakkam Railway station (Necessary enclosure, clamps, fixing arrangements to fix cameras on ceiling, PF shelters, foot over bridges etc., to be supplied and fixed by the contractor as directed by Railway Engineer at site) (Camera inspection by RDSO)	No	107640.00	1	1	2	215280.00
4	Supply and installation of computer table(to keep work station, monitor, mouse and keyboard) and revolving chair-Godrej or featherlike or Zuari make.	No	15,000.00	1	1	2	30000.00
5	Supply and installation of 6 U height 19" size covered rack with (1) front side transparent door with lock arrangement (2) cable organizers (3) provision of one number power supply (each consists of 6 Nos x 15A/15A multi pin sockets with ON/OFF switch and fuse arrangement) strip HCL or Rittal or APW or president make.	No	8,811.00	1	1	2	17622.00
6	Supply and installation of 42 U height x 1000mm depth x 600mm width covered server Rack with (1) front side transparent door with lock arrangement (2) fitted with one number FAN tray with 4Nos of 230V operated fans (3) cable organizers 2 nos (4) Provision of two nos of horizontal	No	46,196.00	1	1	2	92392.00

	power supply (each consists of 8Nos x 15A/5A multi pin sockets with ON/OFF switch and fuse arrangement strip. HCL or Rittal or APW president make.						
7	Supply and installation of 10 port (2 Optical & 8 Electrical Ports) PoE (Access) switch with SFP ports as per the specification in chapter IV (para 16.8)	No	12,500.00	2	2	4	50000.00
8	Provision of large format display monitor as per as per RDSO SPEC. No.RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest.	No.	51252.00	1	1	2	102504.00
9	Supply and installation of 5KVA online UPS with suitable batteries for minimum 60 minutes backup time. APC or numeric make.	No	67,980.00	1	1	2	135960.00
10	Miscellaneous expenses related to supply and installation of OFC, Electric wires, Earthing etc (including petty expenses).	LS	100,000.00	1	1	2	200000.00
11	Expense/POE injector for testing Fiber and Access Switches.	LS	5000	1	1	2	10000
Total (Rs. Nineteen Lacs Eighty Six Thousand Eight Hundred and Fifty Eight only)							1986858.00
Percentage Bid at Par/Below/Above				In Figure	In Word		

Note:

- i) All the rates mentioned above are exclusive of Taxes (GST)& Duties
- ii) The item No. 3 (PTZ Camera) is included in the schedule, but RailTel will have the full right to operate it according to the site survey and situation
- iii) Any discrepancy between figures and words, amount in words shall be reckoned for consideration
- iv) If there is any discrepancy in the total amount and the Unit Rate, the value shown in the Unit Rate shall be considered for the evaluation
- v) Rate quoted should be inclusive of all taxes, except GST. However break-up of all taxes should be shown in a separate sheet for each individual item which includes contractor percentage. A Performa of Invoice must be enclosed along with the offer
- vi) The List is only indicative. There can be addition/deletion of the link as per requirement
- vii) The quantities are only indicative there can be change in the quantity as per site requirement. Payment will be done as per actual material supplied/work executive
- viii) Change of location for a particular work in partial/full as per the RailTel requirement to be carried out in the same rate quoted by the Tenderer
- ix) Contractor G.S.T Regn No :
Contractor PAN No :
Breakup of Taxes :

**Signature of Tenderer with
Seal**

Provision of Video Surveillance System at 10 Railway Stations in Railtel/ Eastern Region.

Tender No.: RailTel/Tender/SLT/ER/HQ/2017-18/1037 Date: 12.09.2017

Section : Raygada & Vizianagaram

Sl	Description of Item	Unit	Rate in Rs.	Raygada	Vizianagaram	Qty	Amount (Rs)
				Qty	Qty		
1	Supply and installation of fixed Box type IP colour Cameras as per RDSO SPEC. No.RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest, (Necessary enclosures, clamps, fixing arrangements to fix cameras on ceiling, PF shelters, foot over bridges etc., to be supplied and fixed by the contractor as directed by Railtel Engineer at site) (Inspection by RDSO)	No	14,490.00	15	15	30	434700.00
2	Supply and Installation of Network Video Recorder with 64 CH with HDMI, ONVIF (Minimum of 16 TB usable space or higher, scalable up to 64 TB) as per RDSO spec No. .RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest including all required software. (Inspection by RDSO)	No	349200.00	1	1	2	698400.00
3	Supply and installation of P/T/Z(Pan/Tilt/Zoom) IP colour cameras as per RDSO SPEC. No. RDSO/SPN/TC/ 65/2016 revision 4.0 or latest, at Nungambakkam Railway station (Necessary enclosure, clamps, fixing arrangements to fix cameras on ceiling, PF shelters, foot over bridges etc., to be supplied and fixed by the contractor as directed by Railway Engineer at site) (Camera inspection by RDSO)	No	107640.00	1	1	2	215280.00
4	Supply and installation of computer table (to keep work station, monitor, mouse and keyboard) and revolving chair-Godrej or featherlike or Zuari make.	No	15,000.00	1	1	2	30000.00
5	Supply and installation of 6 U height 19" size covered rack with (1) front side transparent door with lock arrangement (2) cable organizers (3) provision of one number power supply (each consists of 6 Nos x 15A/15A multi pin sockets with ON/OFF switch and fuse arrangement) strip HCL or Rittal or APW or president make.	No	8,811.00	1	1	2	17622.00
6	Supply and installation of 42 U height x 1000mm depth x 600mm width covered server Rack with (1) front side transparent door with lock arrangement (2) fitted with one number FAN tray with 4Nos of 230V	No	46,196.00	1	1	2	92392.00

	operated fans (3) cable organizers 2 nos (4) Provision of two nos of horizontal power supply (each consists of 8Nos x 15A/5A multi pin sockets with ON/OFF switch and fuse arrangement) strip. HCL or Rittal or APW president make.						
7	Supply and installation of 10 port (2 Optical & 8 Electrical Ports) PoE (Access) switch with SFP ports as per the specification in chapter IV (para 16.8)	No	12,500.00	2	2	4	50000.00
8	Provision of large format display monitor as per as per RDSO SPEC. No.RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest.	No.	51252.00	1	1	2	102504.00
9	Supply and installation of 5KVA online UPS with suitable batteries for minimum 60 minutes backup time. APC or numeric make.	No	67,980.00	1	1	2	135960.00
10	Miscellaneous expenses related to supply and installation of OFC, Electric wires, Earthing etc (including petty expenses).	LS	100,000.00	1	1	2	200000.00
11	Expense/POE injector for testing Fiber and Access Switches.	LS	5000	1	1	2	10000
Total (Rs. Nineteen Lacs Eighty Six Thousand Eight Hundred and Fifty Eight only)							1986858.00
Percentage Bid at Par/Below/Above				In Figure	In Word		

Note:

- i) All the rates mentioned above are exclusive of Taxes (GST)& Duties
- ii) The item No. 3 (PTZ Camera) is included in the schedule, but RailTel will have the full right to operate it according to the site survey and situation
- iii) Any discrepancy between figures and words, amount in words shall be reckoned for consideration
- iv) If there is any discrepancy in the total amount and the Unit Rate, the value shown in the Unit Rate shall be considered for the evaluation
- v) Rate quoted should be inclusive of all taxes, except GST. However break-up of all taxes should be shown in a separate sheet for each individual item which includes contractor percentage. A Performa of Invoice must be enclosed along with the offer
- vi) The List is only indicative. There can be addition/deletion of the link as per requirement
- vii) The quantities are only indicative there can be change in the quantity as per site requirement. Payment will be done as per actual material supplied/work executive
- viii) Change of location for a particular work in partial/full as per the RailTel requirement to be carried out in the same rate quoted by the Tenderer
- ix) Contractor G.S.T Regn No :
Contractor PAN No :
Breakup of Taxes :

Signature of Tenderer with**Seal**

Provision of Video Surveillance System at 10 Railway Stations in Railtel/ Eastern Region.

Tender No.: RailTel/Tender/SLT/ER/HQ/2017-18/1038 Date: 12.09.2017

Section : Danapur & Singrauli

Sl	Description of Item	Unit	Rate in Rs.	Danapur	Singrauli	Qty	Amount (Rs)
				Qty	Qty		
1	Supply and installation of fixed Box type IP colour Cameras as per RDSO SPEC. No.RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest, (Necessary enclosures, clamps, fixing arrangements to fix cameras on ceiling, PF shelters, foot over bridges etc., to be supplied and fixed by the contractor as directed by Railway Engineer at site) (Inspection by RDSO)	No	14,490.00	15	15	30	434700.00
2	Supply and Installation of Network Video Recorder with 64 CH with HDMI, ONVIF (Minimum of 16 TB usable space or higher, scalable up to 64 TB) as per RDSO spec No. .RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest including all required software. (Inspection by RDSO)	No	349200.00	1	1	2	698400.00
3	Supply and installation of P/T/Z(Pan/Tilt/Zoom) IP colour cameras as per RDSO SPEC No. RDSO/SPN/TC/ 65/2016 revision 4.0 or latest, at Nungambakkam Railway station (Necessary enclosure, clamps, fixing arrangements to fix cameras on ceiling, PF shelters, foot over bridges etc., to be supplied and fixed by the contractor as directed by Railway Engineer at site) (Camera inspection by RDSO)	No	107640.00	1	1	2	215280.00
4	Supply and installation of computer table(to keep work station, monitor, mouse and keyboard) and revolving chair-Godrej or featherlike or Zuari make.	No	15,000.00	1	1	2	30000.00
5	Supply and installation of 6 U height 19" size covered rack with (1) front side transparent door with lock arrangement (2) cable organizers (3) provision of one number power supply (each consists of 6 Nos x 15A/15A multi pin sockets with ON/OFF switch and fuse arrangement) strip HCL or Rittal or APW or president make.	No	8,811.00	1	1	2	17622.00
6	Supply and installation of 42 U height x 1000mm depth x 600mm width covered server Rack with (1) front side transparent door with lock arrangement (2) fitted with one number FAN tray with 4Nos of 230V operated fans (3) cable organizers 2 nos	No	46,196.00	1	1	2	92392.00

	(4) Provision of two nos of horizontal power supply (each consists of 8Nos x 15A/5A multi pin sockets with ON/OFF switch and fuse arrangement)strip. HCL or Rittal or APW president make.						
7	Supply and installation of 10 port (2 Optical & 8 Electrical Ports) PoE (Access) switch with SFP ports as per the specification in chapter IV (para 16.8)	No	12,500.00	2	2	4	50000.00
8	Provision of large format display monitor as per as per RDSO SPEC. No.RDSO/SPN/TC/ 65/2016 Revision 4.0 or latest.	No.	51252.00	1	1	2	102504.00
9	Supply and installation of 5KVA online UPS with suitable batteries for minimum 60 minutes backup time. APC or numeric make.	No	67,980.00	1	1	2	135960.00
10	Miscellaneous expenses related to supply and installation of OFC, Electric wires, Earthing etc (including petty expenses).	LS	100,000.00	1	1	2	200000.00
11	Expense/POE injector for testing Fiber and Access Switches.	LS	5000	1	1	2	10000
Total (Rs. Nineteen Lacs Eighty Six Thousand Eight Hundred and Fifty Eight only)							1986858.00
Percentage Bid at Par/Below/Above				In Figure	In Word		

Note:

- i) All the rates mentioned above are exclusive of Taxes (GST)& Duties
- ii) The item No. 3 (PTZ Camera) is included in the schedule, but RailTel will have the full right to operate it according to the site survey and situation
- iii) Any discrepancy between figures and words, amount in words shall be reckoned for consideration
- iv) If there is any discrepancy in the total amount and the Unit Rate, the value shown in the Unit Rate shall be considered for the evaluation
- v) Rate quoted should be inclusive of all taxes, except GST. However break-up of all taxes should be shown in a separate sheet for each individual item which includes contractor percentage. A Performa of Invoice must be enclosed along with the offer
- vi) The List is only indicative. There can be addition/deletion of the link as per requirement
- vii) The quantities are only indicative there can be change in the quantity as per site requirement. Payment will be done as per actual material supplied/work executive
- viii) Change of location for a particular work in partial/full as per the RailTel requirement to be carried out in the same rate quoted by the Tenderer.
- ix) Contractor G.S.T Regn No :
Contractor PAN No :
Breakup of Taxes :

**Signature of Tenderer with
Seal**

CHAPTER IV

Specification of Work/Material

- 1) **Conduit pipe:** 25 mm diameter and 2 mm thickness.
- 2) 24F FMS, SC type, telescopic FMS single mode with 24 Nos. of SC/PC 0 (zero) db connector and 1.5 M length pigtails and two no of splice tray (each try can hold 12 splices), suitable for mounting on 19" rack, 1 U size. The FDMS should be rodent proof with all accessories for rack fixing hardware, splice, protection, sleeves, routing, clamps, cable ties, hose clamps for cable, buffer tubes, IPA etc
- 3) **GI pipe :** B Class 50 mm dia with
- 4) **RCC chamber:** The contractor has to arrange for Casting of circular **RCC chamber**, top covers and bottom plate (1:2:4 concrete mix) with reinforcement, two hooks in each half cover, provision of duct holes as shown in the drawing. Excavation of circular pit to a depth of 1300 mm, dia of 1500 mm, positioning of bottom plates, chamber and top covers (two halves). Chamber to be filled with river sand to the brim of the chamber after cable blowing and splicing, top covers placed, refilled with excavated soil and rammed etc., complete to the finished item of work as directed by the RailTel Engineer-in-Charge
- 5) **ROUTE MARKERS:** The contractor has to provide route markers as detailed below:
Casting, transporting and fixing of RCC Route Markers at a distance of 200 Meter apart on the cable route/at places where the route of the cable changes/ on either sides of the culverts/bridges/LC gates/road cuttings etc. They should be of standard letters "RailTel", "OFC", with RailTel logo  on top. They shall be painted with green when placed at joint chambers, yellow placed at loop chambers and orange at all other places. The length is 900mm, as shown in the drawing, complete to the finished item of work as directed by the RailTel Engineer-in-Charge
- 6) **Power cable:** 3 core 6 or 4Sq.mm of finolex or reputed make.
- 7) **Power socket:** should have 2 no's three pin socket, two no's of switches with MCB/Fuse protection of reputed make with ISI certification.
- 8) **SC-LC patch cord :** 1 mtr length
- 9) **Concreting with CC of 1:2:4** The contractor has to do the protective works of concreting as per requirement. The OFC has to be protected with Concreting 0.3 x 0.3 to the approaches of bridges and culverts in the ratio (PCC 1:2:4 mix) wherever necessary as per the technical specification and as directed by RailTel Engineer-in-Charge at site.
- 10) Metal cage and fixture should be painted as per railway standards (photo is enclosed). The above is a model, as per the site condition it should be fixed as per the Engineer in charge.



A model Photograph of Rack and Access point metal cage installation at Railway station FOB/Platform shed , but as per the site condition to be installed with all accessories.

- 11.** It may kindly be noted that in the specification wherever support for a feature has been asked for, it will mean that the feature should be available without RailTel re-quiring any other hardware/software/licenses. Thus all hardware/software/licenses required for enabling the support/feature shall be included in the offer.
- 12.** All the IP cameras as quoted by the bidder against Item no 1& 2 of Chapter-III must be sourced from the same OEM
- 13.** It is desirable to have IOT platform in the proposed system to facilitate RailTel To carry out work with the advantageous features of IOT at a few stations.
- 14.** The below mentioned technical specifications for the supply items are bare minimum requirements of the purchaser, the supply items quoted by bidder must comply with these technical specifications. However, the bidder can quote the items with higher technical specifications and/or new/upgraded technology catering to the futuristic requirements of the proposed solution.
- 15.** The BOM submitted by the bidder as a part of the bid response must be vetted by respective OEMs.
- 16.1 IP Cameras of Fixed Box type, Fixed Dome type.**

As per RDSO Specification of IP Based Video Surveillance System Specification no. RDSO/SPN/TC/65/2016 Revision 4.0 or latest with all amendments.

i) For Fixed Dome Type Camera:

Parameter	Specification
Image Sensor	1/ 2.8" or larger, Progressive scan, CMOS sensor
Pixels	2.0 Mega Pixel Full HD (1920x1080).
Video Compression	H.264/H.265
Dual Stream	Dual H.264/ H.265 Streams
Video resolutions	a) For Main stream : i) 1920x1080 (Full HD) ii) Configurable from Full HD to other HD/SD resolution b) For Second Stream: Configuration from D1 to other HD/SD resolutions.
Resolution and Frame Rate	: Minimum 25 frames per second (FPS) for both the streams. Full HD@ 25 FPS with H.264/H.265 compression On one stream & D1@ 25 FPS with H.264/H.265 compression on other stream.
Minimum Illumination	
a) Colour Mode	0.5 Lux
b) Night Mode(Black& White)	0.05 Lux
Shutter speed	Maximum shutter speed should be 1/8000sec or Higher.

Signal to Noise Ratio	> 45 dB
Video Standard	PAL
Lens	3.8mm - 8mm
Day/Night Camera	Auto Day/Night Configuration
Data rate	i) 8 Mbps maximum for H.264/H.265 Video Compression
	ii) Shall work on 3 Mbps bit rate or less average for Full HD@ 25 FPS at Variable bit rate (VBR) on individual (Single) stream with H.264/ H.265 Video Compression.
Video Streaming	Unicast and Multicast streams
Text Superimposing	Camera shall support superimposing the title and date & time on the video
Edge Storage	Edge Storage slot suitable for 64 GB SD/SDHC/SDXC memory or higher along with memory card.
Network Connectivity	Ethernet, 10/100 Base T
Discovery Interface	OEM interface to detect the camera automatically and configure network settings
Network Protocols	Suitable and required network protocol stack to work Camera in TCP/IP based Ethernet network Environment. (As required for system working)
Web Server	Internal Web server required with embedded operating system
Automatic Gain Control	Required
Back Light Compensation (BLC)/High Light Compensation (HLC)/ Automatic White Balance	Required
Wide Dynamic Range (WDR)	Required
Alarm Inputs / outputs	1 input & 1 output
Input Voltage	220V AC Voltage (Nominal) / 24V AC or DC/ 12VDC/PoE
PoE	IEEE 802.3af compliant
Operating Temperature	0°C to +50°C
Operating Humidity	20 to 80% RH non-condensing
Enclosure Protection	Vandal proof and Impact resistant Aluminum Enclosure with IP 66 or NEMA-4 or better.
Regulatory Approvals/ Certifications	UL Certifications for Safety, CE Certifications for EMC & Immunity, ONVIF/ONVIF Profile 'S' Compliance for interoperability of network video products.

ii) PTZ Camera :

Parameter	Specification
Image Sensor	1/ 2.8" or larger, Progressive scan, CMOS sensor
Pixels	2.0 Mega Pixel Full HD (1920x1080).
Video Compression	H.264/H.265
Dual Stream	Dual H.264/ H.265 Steams
Video resolutions	a) For Main stream :
	i)1920x1080 (Full HD)
	ii)Configurable from Full HD to other HD/SD resolution
	b) For Second Stream: Configuration from D1 to Other HD/SD resolutions.
Resolution and Frame Rate	: Minimum 25 frames per second (FPS) for both the streams.
	Full HD@ 25 FPS with H.264/H.265 compression on one stream & D1@ 25 FPS with H.264/H.265 compression on other stream.
Minimum Illumination	
Shutter speed	Maximum shutter speed should be 1/8000s or higher
Signal to noise ratio	≥ 45 dB
Video standard	PAL
a) Colour Mode	0.5 Lux
b) Night Mode	0.05 Lux
(Black & White)	
Lens	Optical zoom 30x or better IR corrected lens
	suitable for Full HD Camera.
	Focal length of lens: Upper range shall be 125 mm or higher.
Digital zoom	12X or better
Focus & Iris	Automatic with manual override
Pan/Tilt adjustment	360 continuous pan; 00 to 90 tilt from horizontal plane
Preset speed	90 /sec 0.5 accuracy
Pan/Tilt speed	1 /sec to 90 /sec
Sector Blanking	Required. Camera 360 degree pan rotation to be divided in 8 sectors and any sector shall be blanked as required by the operator
Preset Titling	The camera shall allow the storage of up to 99 preset scenes with each preset programmable for 16 character titles
Data rate	i) 8 Mbps maximum for H.264/H.265 Video Compression
	ii)Shall work on 3 Mbps bit rate or less average for Full HD@ 25 FPS at Variable bit rate (VBR) on

	individual (Single) stream with H.264/ H.265
	Video Compression.
Video Streaming	Unicast and Multicast streams
Text	Camera shall support superimposing the title and
Superimposing	date & time on the video
Edge Storage	Edge Storage slot suitable for 64 GB SD/SDHC/
	SDXC memory or higher along with memory card.
Network	Ethernet, 10/100 Base T
Connectivity	
Discovery	OEM interface to detect the camera automatically
Interface	and configure network settings
Network Protocols	Suitable and required network protocol stack to
	work Camera in TCP/IP based Ethernet network
	Environment. (As required for system working)
Web Server	Internal Web server required with embedded
	operating system
Automatic Gain	Required
Control	
Back light	Required.
Compensation	
(BLC)/High Light	
Compensation	
(HLC)/ Automatic	≥90 dB
White Balance	
Wide Dynamic	Range (WDR)
Range (WDR)	
Alarm Inputs /	1 input & 1 output
outputs	
Input Voltage	220V AC Voltage (Nominal) / 24V AC or DC/
	12VDC
Operating	0°C to + 50°C
Temperature	
Operating	20 to 80% RH non-condensing
Humidity	
Enclosure	Vandal Proof Impact Resistant Aluminum
Protection	Enclosure with IP 66 or NEMA-4 or better.
Regulatory	UL or EN or CE or IEC or IS certification for Safety,
Approvals/	CE or FCC Certifications for EMC & Immunity.
Certifications	Note: For EN/IEC/IS/CE/FCC, test certificate to be
	provided from NABL/NABCB accredited Labs or
	internationally reputed test agencies along with
	Detailed test reports.

16.2. Server Hardware for Network Video Management Server, Network Video Recording Server/Network Video Recorder (NVR), Network Video Analytics Server and Facial Recognition Server:

Sl. No.	Parameters	:	Specifications
i.	Channels	:	36 nos or higher
ii.	Camera Type	:	IP, 2 Mega Pixel Full HD (1920x1080) or higher
iii.	Recording Resolution and Frame Rate	:	Full HD (1920x1080) @ 25 FPS or higher
iv.	Supported Image Resolution	:	SD resolutions, HD resolution and Full HD or higher depending on Camera
v.	Operating System	:	Embedded Windows or Linux
vi.	Video Compression	:	H.264/H.265
vii.	Recording Bandwidth	:	384 Mbps (Max.)
viii.	Video Playback	:	64 Channels Simultaneously @ Full HD (1920x1080) or higher
ix.	Storage	:	Minimum 16 TB Usable or higher, suitable upto 64 TB after RAID 5/6 configuration.
x.	Drive Type	:	SATA HDD
xi.	Network Protocols	:	Suitable and required network protocol stack to work Camera in TCP/IP based Ethernet network environment. (As required for system working)
xii.	Discovery Interface	:	OEM interface to detect the camera automatically and configure network settings
xiii.	Video Output/ Interface	:	HDMI, VGA
xiv.	Network Interface	:	Ethernet 10/100/1000 Base T port
xv.	USB Interface	:	Required
xvi.	Monitoring	:	USB Mouse Control, Digital Keyboard Control
xvii.	Features :-		
	1. Multi screen Display	:	Support (support on local monitor Full screen, Quad view, 4x4 (16-view) or any other window division based on the site requirement)
	2. Camera Control	:	Camera features like Brightness, Contrast, IRIS, WDR/BLC, Shutter Speed etc.
	3. Recording/Playback Control		Required
	4. Recording Mode		Manual, Schedule (Continuous/Event), Event (Pre/Post), Motion detection, Alarms, Trigger Input etc.
	5. Failover Recording		Required
	6. Search and Export		Recording search by Camera, date and time.

			Export of video clips to USB Flash Drives.
	7. System Log		Alarms, Events, Operator Log etc.
	8. User Management		Authentication of User Login, Configuration of Users, User Groups and User Access Rights.
xviii.	Power Supply	:	Dual, Redundant
xix.	Chassis Mounting	:	19" Rack Mounted
xx.	Regulatory Approvals/Certifications	:	UL or EN or CE or IEC or IS certification for Safety, CE or FCC Certifications for EMC & Immunity. Note: For EN/IEC/IS/CE/FCC, test certificate to be provided from NABL/NABCB accredited Labs or internationally reputed test agencies along with detailed test reports.

16.3. Video Surveillance Software including Network Video Management Software, Network Video Recording Software, Network Video Analytics Software, GUI Client Software and Facial Recognition Software:

As per RDSO Specification of IP Based Video Surveillance System Specification no. RDSO/SPN/TC/65/2016 Revision 4.0 or latest with all amendments.

Description of Item as per Tender Schedule
1.1 This shall be a highly scalable enterprise level software solution. It shall offer a complete video surveillance solution that will be scalable for enquired numbers of cameras that can be added on a unit-by-unit basis.
1.2 The network video management software shall be licensed and shall operation open architecture and shall require no proprietary IT hardware.
1.3 The network video management software shall allow for video to be streamed on workstation in Matrix or on a video wall.
1.4 The user with administrative rights shall create clients(users)and give access to the software client application based on predefined user access rights.
1.5The system shall allow there cording, live monitoring, play back of archived video and data simultaneously.
1.6 The software shall provide the following:
1.6.1Several simultaneous live picture connections of camera in network.
1.6.2 Configuration of monitoring situation (sitemaps).
1.6.3 Programming of alarm-triggered automatic events in various alarms configuration.
1.6.4 System setup with limited operation options for clearly defined surveillance tasks.
1.6.5Programming of automatic recording events on a network recorder.
1.7 The software shall display dualH.264video streams in real time simultaneously at frame rates ranging from 1fpsto 25 fps and resolution ranging Full HD to other HD/SD resolution.

1.8	Each camera's bit rate, frame rate and resolution shall be set independently from other cameras in the system, and altering these settings shall not affect the coding and display settings of other cameras.
1.9	The software shall provide automatic search and discovery of component so video surveillance system through network which can be network cameras.
1.10	The software shall provide drag & drop function on the system and also for setup of connection between cameras and monitors connected to one
1.11	The software shall allow:
1.11.1	Live display of cameras.
1.11.2	Live display of camera sequences.
1.11.3	Control of PTZ cameras.
1.11.4	Playback of archived video.
1.11.5	Retrieval of archived video.
1.11.6	Instant Replay of live video.
1.11.7	Use of sitemaps.
1.11.8	Configuration of system settings.
1.11.9	Configuration and programming of P/T/Z cameras, features like auto tours, presets etc.
1.12	The software shall be able to do video recording on any of the following options – in built hard disk on the server, direct attached storage boxes attached to servers, network attached storage, storage area network.
1.13	The software shall be capable of handling camera and alarm icons on area maps. The area map shall be configurable to pop up upon the receipt of an alarm received from a camera on the map. This can be on the same or other monitors on the PC.
1.14	The software shall be able to select the required recording based on the time recording was activated, the duration of recording, operation to activated recording, event activated recording, scheduled recording.

1.15	The software shall provide a reporting utility for tracking for the following minimum options. Video clips and image snapshots shall be stored with reports for documenting events.
1.15.1	Alarms
1.15.2	Incidents
1.15.3	Operator logs
1.16	The software shall have the facility to export the desired portion of clipping of video from a desired date/time to another desired date/time on DVD/on any client/network storage device. Viewing of this recording shall be possible on authorized player which shall be provided by software manufacturer or in media player on computer utilizing a Window environment.
1.17	The Video Management servers shall not limit the number of network video recording servers which can be networked together to form video management and recording system.
1.18	The Video Management servers shall maintain a catalog of settings for all the clients, servers, and IP cameras & IP enabled cameras in the system. If Video Management servers & recording cannot be managed by single server, in such cases, additional server shall be provided.
1.19	The software shall enable the client to dynamically create connections between cameras and clients and view live or recorded video on Monitors.
1.20	The software shall provide the client seamless operation of all cameras and clients available in the system regardless of the actual connection to different Network Video Recording servers.
1.21	The software shall detect signal loss and have the capability to alert the systems administrator.
1.22	The software shall receive all incoming events (motion detection and triggered digital input and relay output) in the system and take appropriate actions based on user-defined event/action relationships.
1.23	The software shall create an audit trail of all events and user activities.
1.24	The Video Management Software shall support the following:-

1.24.1	The Video Management Software shall provide a full matrix operation of IP video to display monitors.
1.24.2	The Video Management Software shall have the capability of creating camera sequences with the following functionalities:
1.24.2.1	Each Sequence shall have capability upto hundreds of cameras.
1.24.2.2	Each camera in the sequence shall have its own individual dwell time, from 1to 60seconds.
1.24.2.3	Multiple users shall be able to view the same camera sequence simultaneously, not necessarily synchronized one with the other.
1.25	The software shall provide alarm management module.
1.25.1	The alarm management shall be able to set any monitor or groups of monitors to automatically display cameras in response to alarm inputs.
1.25.2	The alarm management shall be able to reset automatically or manually alarmed video.
1.26	It shall be possible to search for recordings in the software by camera, date and time. If a data and time is specified, playback shall commence from that date and time. It shall be possible to play back more than one camera simultaneously.
1.27	The software shall support at least 64 video streams concurrently. It shall support at least 4 monitors in one server/ workstation for displaying live video. It shall allow minimum 5 levels of user and alarm prioritization. It shall allow minimum 16 cameras to be replayed simultaneously.
1.28	The VMS shall be seamlessly integrated with Face recognition Software and have capability to receive the alerts.
2Graphic User Interface Client Software Features:	
2.1	The GUI software shall per form the following applications simultaneously without interfering with any of the storage server operations (recording alarms etc.):
2.1.1	Live display of cameras.
2.1.2	Live display of camera sequences.
2.1.3	Control of PTZ cameras.
2.1.4	Playback of archived video.
2.1.5	Retrieval of archived video.
2.1.6	Instant replay of live video.
2.1.7	Use of graphical controls(maps)and alarm management.

2.1.8	Configuration of system settings.
2.2	The GUI software shall support any form of IP network connectivity including LAN, WAN and wireless LAN technologies.
2.3	The GUI software shall support multicast and unicast video streaming.
2.4	The GUI software shall provide an authentication mechanism, which verifies the validity of the user.
2.5	The GUI software shall allow for live monitoring of video.
2.6	It shall enable view of 1 to minimum 16 video tiles simultaneously on a single digital monitor at 25 fps per camera.
2.7	The software shall provide on each of the digital monitors independently the following tile views:
2.7.1	Full screen
2.7.2	Quad view
2.7.3	4x4(16-view)
2.7.4	The Software shall also support any other window division based on the site requirement.
2.8	The GUI software shall allow operators to view an instant replay of any Camera.
2.8.1	The operator shall be able to define the amount of time he wishes to go back from a time line bar or through a custom setup period.
18.2.8.2	The operator shall be able to control the playback with play, pause, forward, and speed buttons.
18.2.9	The operator shall be able to choose and trigger following minimum action from a macro/sitemap:

2.9.1	View Camera in a video tile.
2.9.2	View map or procedure in a video tile.
2.9.3	Starting/stopping PTZ pattern.
2.9.4	Go to PTZ preset.
2.10	The GUI software shall provide management and control over the system using a standard PC mouse, keyboard and Digital keyboard.
2.11	The GUI software shall display all cameras attached to the system regardless of their physical location on the network
2.12	The GUI software shall display all camera sequences created in the system.
2.13	The GUI software shall allow operators to control (pause/play, skip forwards, skip backwards) camera sequences.
2.14	The GUI software shall display all cameras, sequences and users in a logical tree.
2.15	The GUI software operator shall be able to drag and drop a camera from a tree of available cameras into any video tile for live viewing.
2.16	The GUI software operator shall be able to view the camera from a tree of available cameras into any video tile for live viewing.
2.17	The GUI software shall support graphical site representation (map) functionality, where digital maps are used to represent the physical location of cameras and other devices throughout facility.
2.18	The maps shall have the ability to contain hyperlinks to create a hierarchy of interlinked maps.
2.19	The GUI software operator shall be able to view the camera from a map into a video tile for live viewing in the same browser without opening a new browser.
2.20	The operator shall be able to click on an icon in a map to initiate PTZ camera preset, run PTZ pattern, view camera in an analog monitor and an I/O stream.
2.21	The GUI software shall support digital zoom on a fixed camera's live video streams.

2.22	The GUI software shall support digital zoom on a PTZ camera's live video streams.
2.23	The operator shall be able to control Pan, Tilt and Zoom patterns of P/T/Z Camera.
2.24	The software shall be able to display video of cameras on 40 inch Large Format Display Monitors and Workstation Monitors.
2.25	The software shall allow the control of display from the client PC.
2.26	The operator from the GUI software shall be able to decide the screen layout and also the cameras that shall be displayed on the monitors.
2.27	The software shall support multicasting.
2.28	It shall be possible to switch the screen layout in response to an alarm.
2.29	The GUI Software shall support text superimposing the title and date & time on the video.
3 Video Recording Software:	
3.1	Software shall support recording of H.264/H.265 video streams. It shall support recording of video and audio for all the channels.
3.2	Software shall support triple x applications, recording, re-play and backup simultaneously. It shall be compatible with windows Server OS or Linux for highest performance and reliability.
3.3	The software shall support absolute recording redundancy with X to N, N to X and N to N redundancy configurations for recording servers. This feature shall be provided, if specified by purchaser.
3.4	Software shall operate on open architecture and shall not require any proprietary hardware.
3.5	Software shall be able to record minimum 64 different video streams or more simultaneously. It shall be accessible from any client PC connected to the network.
3.6	Software shall provide network time server function to ensure the synchronization of the video servers and the recordings.
3.7	The servers shall be connected other network so that these can be placed at any location which has network access.

3.8	The software shall be able to receive alarms of different types from equipment to start a recording. These alarms can be motion detection, video loss, unified picture and trigger input.
3.9	The software alarm recording shall support pre-and post-alarm periods. Both can be configured in duration.
3.10	The software shall provide a status of the available recording capacity.
3.11	Fault Tolerant Recording:
3.11.1	If software & server(s) operation are interrupted, like power disconnection and once the server(s) are restarted, these shall automatically resume recording of any cameras the server recording prior to the interruption.
3.11.2	The software shall support network fault-tolerant recording such that if the network connection between a video management server and video recording server becomes unavailable, for example through cable breakage, network congestion or WLAN interruption, the system operation shall automatically recover when the connection is restored.
3.12	Search & Export:
3.12.1	It shall be possible to search for recording in the software by camera, date and time. If a data and time is specified, playback shall commence from that date and time. It shall be possible to play back more than one camera simultaneously.
3.12.2	The software shall be able to export sections of recordings to as separate Windows folder, which can then be written to CD-ROM, DVD-ROM or USB Flash Drives etc.
4	Video Analytics Software:
4.1	Possible applications of analytics software over the IP based video surveillance system, for specified number of cameras for specific stations, as defined by purchaser shall include the following minimum video analytics software.
i)	Intrusion Detection
ii)	Left Object Detection

iii) Over crowding
iv) Camera Tampering
4.2 Intrusion Detection:
4.2.1 The offered video analytic software shall include a comprehensive intrusion detection features. The intrusion detection shall be used for generating alarm under following scenarios:
i) People crossing the tracks at platform ends.
ii) People entering railways operation areas.
iii) Object placed on the tracks through cameras placed at platform ends.
iv) It shall also generate directional alarms in defined areas like parking places, elevators etc.
4.2.2 The software shall have filters to distinguish between humans, animals or objects.
4.3 Left Object Detection:
4.3.1 The software feature shall include comprehensive left object detection.
4.3.2 The left object detection shall be able to detect:
i) Object/baggage left behind at platform/waiting areas/ticketing counters etc.
ii) The object detection shall also be used to detect vehicle parked in any location other than the parking areas.
iii) The alarm shall be generated after a predetermined time decided by the purchaser.
4.4 Overcrowding:
4.4.1 The software for overcrowding shall be able to give a feedback to the administrator/operator if the scene is over-crowded. It shall give an alarm as soon as people converge at a single place above a predefined threshold level which shall be adjustable as specified by purchaser.
4.5 Camera Tampering:

4.5.1	The software shall be able to detect sabotage or tampering to the cameras. It shall be able to detect camera blurring, camera blinding and change of orientation of fixed cameras. The GUI software shall display all cameras attached to the system regardless of their physical location on the network.
4.5.2	Camera tampering feature shall be provided for all fixed cameras.
4.6	Video Analytics Software can be implemented either at firmware level at fixed IP cameras or at server level in the control room.
4.7	Video analytics software shall be implemented either at firmware level or server level for fixed IP cameras as per details mentioned in the table or as specified by the purchaser. Purchaser has to specify numbers of cameras to be provided with different types of video analytics software to be played back at a location not connected to the network video management & recording network. The export process shall make available a player application, which can be provided with the exported video. Export shall be possible in Windows media player or any

Type of Video Analytics	Location of Cameras on which Video Analytics is to be provided
Intrusion Detection	Cameras at Platform ends ,Railway Control Room or as specified by purchaser
Left Object Detection	Cameras on Platforms, ticketing areas & Concourse areas or as specified by purchaser
Overcrowding	Cameras on Platforms, foot-over-bridges or as specified by purchaser
Camera Tampering	All Fixed Cameras or as specified by purchaser

16.4. External Storage System:

As per RDSO Specification of IP Based Video Surveillance System Specification no. RDSO/SPN/TC/65/2016 Revision 4.0 or latest with all amendments

Or

Bidder may provide internal/external or combined storage. However the total re-quired storage capacity may be divided amongst the Servers/NVRs if being provided internally.

16.5 Digital Keyboard with joystick compatible with P/T/Z Cameras:

As per RDSO Specification of IP Based Video Surveillance System Specification no. RDSO/SPN/TC/65/2016 Revision 4.0 or latest with all amendments

Specification
The Digital Keyboard (Joystick) shall be fully functional, multipurpose keyboard used for controlling of connected P/T/Z Camera.
Digital Keyboard shall include an integral variable speed Pan/Tilt/Zoom joystick and shall be able to select P/T/Z Camera.
Digital Keyboard shall support RS 232/ RS 485 or Ethernet or USB port connectivity and shall be supplied along requisite interface units.
Digital Keyboard shall be of same make as P/T/Z Camera

16.6 PC Workstation:

As per RDSO Specification of IP Based Video Surveillance System Specification no. RDSO/SPN/TC/65/2016 Revision 4.0 or latest with all amendments

16.7. High Resolution Large Video Display Units:

As per RDSO Specification of IP Based Video Surveillance System Specification no. RDSO/SPN/TC/65/2016 Revision 4.0 or latest with all amendments.

16.8. Access Switch:

SN	Description
1	The Switch shall be designed for continuous operations.
2	Should have 8 ports 10/100/1000 Mbps Base T
3	Should have support for min. 2-Ports SFP Based Gigabit ports.
4	Should have at least 20 Gbps switching fabric.
5	Should Support port trunking of at least 2 GE ports.
6	Should have support for 802.3x flow control.
7	Should support 802.1D spanning tree control/RSTP support, DAI, IP source guard sflow and USB interface or equivalent.
8	Should support management features like Web-based GUI, SNMP, TFTP Client, System Log, DHCP/BootP Client and Should support Optical Transceiver Digital Diagnostic Monitoring.
9	Should support Auto MDI-II/MDI-X uplink for all the twisted pair ports.
10	Should support 802.1Q VLAN, 802.1p Priority queues.
11	Should support port mirroring.
12	Should support jumbo frame. (9216 Byte).

- | | |
|----|---|
| 13 | Should support console port or telnet based management. |
|----|---|
- 14 Should support console port or telnet based management.
 - 15 Should have AC Power Supply with or without external adapter, 100 to 240 V AC with 50 to 60 Hz and equipped with 3 pin plug.
 - 16 Should support at least 8000 entries in the MAC table.
 - 17 Should support IGMP Snooping, IGMP v1/v2/v3 awareness Snooping, Sup-ports 64 Groups and capable to support UDLD or equivalent, MLD Snooping v1/v2.
 - 18 Should support Port-based VLAN, 802.1Q Tagged VLAN & Voice VLAN along with Management VLAN.
 - 19 Should support spanning-tree root guard or similar functionality.
 - 20 Should support spanning-tree Port Fast guard for fast convergence or similar functionality.
 - 21 Switch should support IEEE 802.3af & IEEE 802.3at on Ethernet ports & Min 240W PoE Power Budget with the capacity to retain PoE sourcing to IP cameras during the switch restart.
 - 22 Switch should support Surge Protection to ± 2 kV (line-earth) and ± 1 kW (line-line) on power input and Surge Protection to ± 2 kV on Ethernet ports or as per EN61000-4-5 standard.
 - 23 Should support security features like SSL (HTTPS), Broadcast/Multicast/ Unicast Storm Control, DoS Attack Prevention.
 - 24 Should support Quality Of Service (QoS) like Priority Queue, Class of Service (CoS), Rate Limiting (Bandwidth Control), Strict Priority Queue (SPQ), Weighted Round Robin (WRR).
 - 25 Switch shall be IPv6 Certified/Ready.
 - 26 Switch shall be IP30 rated with Rack Mountable clamps for standard 19 inch rack/DIN Rail mountable.
 - 27 Operating Temperature of the Switch should be min -0 to 65 °C.
 - 28 Storage Temperature of the Switch should be min -10 to 70 °C.
 - 29 "OEM should be having valid ISO 9001 & ISO 14001 certification on the date of opening of bid"
- AND
- "OEM should have figured in latest Gartner Report in field of Ethernet Switch-es".
- 29 Switch should support LLDP or similar functionality.
 - 30 Switch should have EMI CERTIFICATE of FCC/IC/CE.
- | | |
|----|---|
| 31 | Switch should have SAFETY CERTIFICATE of UL |
|----|---|

16.9 Fibre Switch: Deleted

16.10 STP CAT-6 Cable

STP (Shielded Twisted Pair) CAT-6 Cable shall be compliant with latest EIA/TIA-568-B.2-1 standard for CAT 6 cable or as specified by purchaser.

CHAPTER V

STANDARD CONDITIONS

0100. Definitions and Interpretation.

0101. In the Contract, unless the context otherwise requires;

0102. "Acceptance of Tender" means the letter of memorandum communicating to the Contractor the acceptance of his tender and includes an advance acceptance of his tender;

0103. "Consignee" means where the stores are required by the acceptance of tender to be despatched by rail, road, air or steamer, the person specified in the Acceptance of Tender to whom they are to be delivered at the destination; Where the Stores are required by the acceptance of tender to be delivered to a person as an interim consignee for the purpose of despatch to another person, such other persons; and in any other case the person to whom the stores are required by the acceptance of tender to be delivered in the manner therein specified

0104. "Contract" means and includes the invitation to tender, instructions to tenderers, acceptance of tender, Standard Conditions of Contract, Special Conditions of Contract, particulars and the other conditions specified in the acceptance of tender and includes a repeat order which has been accepted or acted upon by the contractor and a formal agreement if executed;

0105. The "Contractor" means the person, firm or company with whom the order for the supply is placed and shall be deemed to include the contractor's successors (approved by the Purchaser), representatives, heirs, executors and administrators as the case may be, unless excluded by the terms of the contract

0106. "The Sub-contractor" means the person, firm or company from whom the Contractor may obtain any material or fittings to be used in the supply or manufacture of the stores ;

0107. "Drawing" means the drawing or drawings specified in or annexed to the Schedule or Specifications

0108. "Government" means the Central Government or a State Government, as the case may be;

0109. "The Inspecting Officer" means the people specified in the contract for the purpose of Inspection of stores or work under the contract and includes his authorised representative;

0110. "Material" means anything used in the manufacture or fabrication of the stores

0111. "Particulars" include-

- (a) **"SPECIFICATIONS"** shall mean all directions, various technical specifications, provisions and requirements attached to the contract, as originally agreed and as modified from time to time by RailTel subject to price adjustments mutatis mutandis which pertain to the method and manner of performing the work or works to the quantities and qualities of the work or works and the materials to be furnished under the contract for the work or works as may be
- (b) Amplified or modified by RailTel-In-Charge during the performance of the contract in order to provide for unforeseen conditions or in the best interest of the work or works. It shall also include the latest edition including all addenda / corrigenda of relevant Bureau of Indian standard specifications and other relevant codes governing a particular activity

or facility. The term shall include the specifications specified in the contract in respect of each type of material/goods to be used in the execution of contract.

0112. " Purchase Officer" means the officer signing the acceptance of tender and includes any officer who has authority to execute the relevant contract on behalf of the Purchaser

0113. " The Purchaser" means the Executive Director of Eastern Region and includes his successors and assignees

0114. "Signed" includes stamped, except in the case of an acceptance of tender or any amendment thereof

0115. "Site" means the place specified in the contract at which any work is required to be executed by the contractor under the contract or any other place approved by the Purchaser for the purpose;

0116. "Stores" means the goods specified in the contract which the contractor has agreed to supply under the contract;

0117. "Supply Order" means an order for supply of stores and includes an order for performance of service;

0118. "Test" means such test as is prescribed by the particulars or considered necessary by the Inspecting Officer whether performed or made by the Inspecting Officer or any agency acting under the direction of the Inspecting officer;

0119. "Unit" and "Quantity" means the unit and quantity specified in the contract;

0120. "ENGINEER / 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 agreed to.

"ENGINEER'S REPRESENTATIVE "Shall mean the supervisor of RailTel in direct charge of the works.

0121. The delivery of the stores shall be deemed to take place on delivery of the stores in accordance with the terms of the contract, after approval by the Inspecting Officer if so provided in the contract to

(a) the consignee at his premises ; or

(b) where so provided the interim consignee at his premises , or

(c) a carrier or other person named in the contract for the purpose of transmission to the consignee, or

(d) The consignee at the destination station in case of contract stipulating for delivery of stores at destination station.

0122."RailTel" Means M/s. RailTel Corporation of India Limited/Eastern Region.

0123. "BLOCK SECTION" Means the distance along the railway track between two consecutive Railway stations.

0124. "TENDERER" or "BIDDER" 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.

0125. "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 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.

0126. "BID" or "TENDER" shall mean the proposal/document that the BIDDER submits as his offer with price and conditions in the requested and specified format as detailed in 'Specifications' / 'Tender documents

0127. "PURCHASER'S ENGINEER" Means the Executive Director of RailTel/Eastern Region or successor who will decide all matters relating to design, manufacture, installation and commissioning of the plant and equipment at site.

0128. "FOR Destination" means any location or consignee within every RailTel's Region.

0129. Words in the singular include the plural and *vice versa*

0130. Words importing the masculine gender shall be taken to include the feminine gender and words importing persons shall include any company or association or body of individuals, whether incorporated or not;

0131. The heading of these conditions shall not affect the interpretation or construction thereof;

0132. Terms and expression not herein defined shall have the meanings assigned to them in the **Indian Sale of Goods Act, 1930** (as amended), or the **Indian Contract Act, 1872** (as amended) or the **General Clauses Act, 1897** (as amended), as the case may be.

0200. Parties-

The parties to the contract are the Contractor and the Purchaser, as defined in Clauses 0105 and 0113.

0201. Authority of person signing the Contract on behalf of the Contractor-A person signing the tender or any other document in respect of the Contract on behalf of the Contractor without disclosing his authority to do so shall be deemed to warrant that he has authority to bind the Contractor. If it is discovered at any time that the person so signing has no authority to do so, the Purchaser may, without prejudice to any other right or remedy of the Purchaser, cancel

the contract and make or authorize the making of a purchase of the stores at the risk and cost of such person and hold such person liable to the Purchaser for all costs and damages arising from the cancellation of the contract including any loss which the Purchaser may sustain on account of such purchase. The provisions of Clause 0700 shall apply to every such purchase as far as applicable.

0202. Address of the Contractor and notices and communications on behalf of the Purchaser:-

- (a) For all purposes of the contract, including arbitration there under, the address of the Contractor mentioned in the tender shall be the address to which all communications addressed to the Contractor shall be sent, unless the Contractor has notified change by a separate letter containing no other communication and sent by registered post acknowledgement due to the Purchaser. The Contractor shall be solely responsible for the consequence of an omission to notify a change of address in the manner aforesaid.
- (b) Any communication or notice on behalf of the Purchaser in relation to the contract may be issued to the Contractor by the Purchase Officer and all such communications and notices may be served on the Contractor either by registered posts or under certificate of posting or by ordinary post or by hand
- (c) Delivery at the option of such officer.

0300. Quotations of rates by Contractors

- (a) The price quoted by the Contractor shall not be higher than the controlled price fixed by law for the stores or where there is no controlled price, it shall not exceed the prices or contravenes the norms for fixation of prices laid down by Government or where no such prices or norms have been fixed by the Government, it shall not exceed the price appearing in any agreement relating to price regulation by any industry in consultation with the Government.

In any case, save for special reasons stated in the tender, the price quoted shall not be higher than the lowest price charged by the Contractor for stores of the same nature, class or description to a private purchaser, domestic or foreign as well as Purchaser Governments.

- (b) If the price quoted is higher than the controlled price or where there is no controlled price, the price usually charged by the Contractor from a private Purchaser, domestic or foreign, as well as Purchaser Government for the stores of the same nature, class or description the Contractor will specifically mention this fact in his tender giving reasons for quoting higher price(s). If he fails to do so or makes any mis-statement, it shall be lawful for the Purchaser,
 - (i) to revise the price at any stage so as to bring it in conformity with the Sub-clause (a) above or (b)
 - (ii) to terminate the contract and forfeit the Security Deposit.

0400. Contract.

0401. This contract is for the supply of the stores of the description, specifications and drawings, and in the quantities set forth in the contract on the date or dates specified therein. Unless

otherwise specified, the stores shall be entirely brand new and of the best quality and workmanship to the satisfaction of the Inspecting Officer. The stores shall further be in all respects acceptable to the Inspecting Officer.

0402. Any variation or amendment of the contract shall not be binding on the Purchaser unless and until the same is duly endorsed on the contract incorporated in a formal instrument or in exchange of letters and signed by the parties.

0500. Deleted

0503. The Purchaser shall be entitled and it shall be lawful on his part to forfeit the said security deposit in whole or in part in the event of any default, failure or neglect on the part of the Contractor in the fulfilment or performance in all respect of the contract under reference or any other contract with the Purchaser or any part thereof to the satisfaction of the Purchaser and the Purchaser shall also be entitled to deduct from the said deposits any loss or damage which the Purchaser may suffer or be put by reason of or due to any act or other default, recoverable by the Purchaser from the Contractor in respect of the contract under reference or any other contract and in either of the events aforesaid to call upon the Contractor to maintain the said security deposit at its original limit by making further deposits, provided further that the Purchaser shall be entitled to recover any such claim from any sum then due or which at any time thereafter may become due to the Contractor under this or any other contracts with the Purchaser.

0600. Completion of Work.

0601. Deleted.

0602. The Purchaser shall not be liable to render assistance to the Contractor in securing or to arrange for or provide transport to the Contractor unless it is so specifically stated in the contract, notwithstanding that transport of the stores, is controlled by or under the orders of the Government.

0603. Notwithstanding any inspection and approval by the Inspecting Officer on the Contractor's premises, property in the stores shall not pass on to the Purchaser until the stores have been received, inspected and accepted by the consignee.

0604. No stores shall be deliverable to the consignee on Sundays and public holidays without the written permission of the consignee.

0700. Deleted

0701. Deleted.

0702. Failure and Termination:- If the Contractor fails to Completion of work the stores or any instalment thereof within the period fixed for such delivery in the contract or as extended or at any time repudiates the contract before the expiry of such period the Purchaser may without prejudice to his other rights:-

- (a) Recover from the Contractor as agreed liquidated damages and not by way of penalty a sum equivalent to 2 per cent of the price of any stores (including elements of taxes, duties, freight, etc.) which the Contractor has failed to deliver within the period fixed for delivery in the contract or as extended for each month or part of a month during which the delivery of such stores may be in arrears where delivery thereof is accepted after expiry of the aforesaid period. Or
- (b) In case of failure of contract, Security deposit will be forfeited. Such failure shall be recorded & will be considered by RailTel on merit in future cases. In such case the quantities unsupplied shall be procured independently without risk and cost of the original firm/supplier.
- (C) Adverse performance of such firms will be recorded and intimated to the approving authority & also taken into account in future tender cases on merit.

0703. Consequence of Rejection- If on the stores being rejected by the Consignee at the destination, the Contractor fails to make satisfactory supplies within the stipulated period of delivery, the Purchaser shall be at liberty to: -

- (i) Require the Contractor to replace the rejected stores forthwith but in any event not later than a period of 21 days from the date of rejection and the Contractor shall bear all cost of such replacement including freight, if any, on such replacing and replaced stores but without being entitled to any extra payment on that or any other account, or
- (ii) The purchaser authorize the purchase of quantity of the stores rejected or others of a similar description (when stores exactly complying with particulars are not in the opinion of the purchaser which shall be final, readily available) without notice to the contractor at his risk and cost and without affecting the contractor's liability as regards the supply of any further instalment due under the contract, or
- (iii) Cancel the contract and purchase or authorize the purchase of the stores or others of a similar description (when stores exactly complying with particulars, are not, in the opinion of the Purchaser, which shall be final, readily available) at the risk and cost of the contractor. In the event of action being taken under sub-clauses (ii) above or under this sub-clause, the provision of Clause 0702 above will apply as far as applicable.
- (iv) Where under the contract the price payable is fixed F.O.R despatching station, the Contractor shall, if the stores are rejected at destination by the consignee, be liable, in addition to his other liabilities, including refund of price recoverable in respect of the stores so rejected, to reimburse to the Purchaser the freight and all other expenses incurred by the Purchaser in this regard.

0800. Extension of Time for Delivery-

If such failure as aforesaid shall have arisen from any cause which the Purchaser may admit as reasonable ground for extension of time, the Purchaser shall allow such additional time as he considers to be justified by the circumstance of the case, and shall forgo the whole or such part, as he may consider reasonable, of his claim for such loss or damage as aforesaid. Any failure or delay on the part of sub-contractor, though their employment may have been sanctioned under Condition 1500 hereof, shall not be admitted as a reasonable ground for any extension of time or for exempting the Contractor from liability for any such loss or damage as aforesaid.

1200. Risk of Loss or Damage to Purchaser's Property.

1201. All the property of the Purchaser loaned whether with or without deposit on terms and conditions to be separately agreed upon in respect of each particular contract to the Contractor

in connection with the contract shall remain the property of the Purchaser, as the case may be. The Contractor shall use such property for the purpose of the execution of the contract and for no other purpose whatsoever.

1202. All such property shall be deemed to be in good condition when received by the Contractor unless he shall have within twenty-four hours of the receipt thereof notified the Purchase Officer to the contract. If the Contractor fails to notify any defect in the condition or quality of such property he shall be deemed to have lost the right to do so at any subsequent stage.

1203. The Contractor shall return all such property and shall be responsible for the full value thereof to be assessed by the Purchaser whose decision shall be final and binding on the Contractor. The Contractor shall be liable for loss or damage to such property from whatever cause happening while such property is in the possession of or under the control of the Contractor, his servants, workmen, or agents.

1204. Where such property is insured by the Contractor against loss or fire at the request of the Purchaser such insurance shall be deemed to be affected by way of additional Precaution and shall not prejudice the liability of the Contractor as aforesaid.

1300. (a) When inspection during manufacture or before delivery or dispatch is required, notice in writing shall be sent by the Contractor to the Inspecting officer when the stores or material to be supplied are ready for inspection and test, and no stores shall be delivered until the Inspecting Officer has certified in writing that such stores have been inspected and approved by him.

1305. Stores Expended in Test- Unless otherwise provided for in the contract if the test proves satisfactory and the stores/Work or any instalment thereof is accepted, the quantity of the stores or materials expended in the test will be deemed to have been taken delivery of by the Purchaser and be paid for as such.

1306. Powers of Inspecting Officer- The Inspecting Officer shall have the power :-

- (i) Before any stores/Work or part thereof are submitted for inspection to certify that they cannot be in accordance with the contract owing to the adoption of any unsatisfactory method of manufacture.
- (ii) To reject any stores submitted as not being in accordance with the particulars.
- (iii) To reject the whole of the installment tendered for inspection, if after inspection of such portion thereof as "he may in his discretion think fit, he is satisfied that the same is unsatisfactory.
- (iv) The Inspecting Officer's decision as regards the rejection shall be final and binding on the Contractor.

1400. Charges for Work Necessary for Completion of the Contract-

The Contractor shall pay all charges for handling, stamping, painting, marking, protecting or preserving patent rights, drawings, templates, models and gauges and for all such measures as the Purchaser or the Inspecting Officer may deem necessary for the proper completion of the contract, though special provision therefore may not be made in the specification of drawings.

1500. Responsibility of the Contractor for Executing the Contract.

1501. Risk in the Stores- The Contractor shall perform the contract in all respects in accordance with the terms and conditions thereof. The stores and every constituent part thereof, whether in the possession or control of the Contractor, his agents or servants or a carrier, or in the joint possession of the Contractor, his agents or servants and the Purchaser, his agents or servants, shall remain in every respect at the risk of the Contractor, until their actual delivery to the consignee at the stipulated place or destination or, where so provided in the acceptance of tender, until their delivery to a person specified in the contract as interim consignee for the purpose of despatch to the consignee. The Contractor shall be responsible for all loss, destruction, damage or deterioration of or to the stores from any cause whatsoever while the stores after approval by the Inspecting Officer are awaiting despatch or delivery or are in the course of transit from the Contractor to the consignee or, as the case may be, interim consignee. The Contractor shall alone be entitled and responsible to make claims against a RailTel Administration or other carrier in respect of non-delivery, short delivery, mis-delivery, loss, destruction, damage or deterioration of the goods entrusted to such carrier by the Contractor for transmission to the consignee or the interim consignee as the case may be.

1502. Consignee's Right of Rejection – Notwithstanding any approval which the Inspecting Officer may have given in respect of the stores or any materials or other particulars or the work or workmanship involved in the performance of the contract (whether with or without any test carried out by the Contractor or the Inspecting Officer or under the direction of the Inspecting Officer) and notwithstanding delivery of the stores where so provided to the interim consignee, it shall be lawful for the consignee, on behalf of the Purchaser, to reject the stores or any part, portion or consignment thereof within a reasonable time after actual delivery thereof to him at the place or destination specified in the contract if such stores or part, portion or consignment thereof is not in all respects in conformity with the terms and conditions of the contract whether on account of any loss, deterioration or damage before despatch or delivery or during transit or otherwise howsoever.

Note-Deleted

1503. Provided that where, under the terms of the contract the stores are required to be delivered to an interim consignee for the purpose of despatch to the consignee, the stores shall be at the Purchaser's risk after their delivery to the interim consignee, but nevertheless it shall be lawful for the consignee on behalf of the Purchaser to reject the stores or any part, portion of consignment thereof upon their actual delivery to him at the destination if they are not in all respects in conformity with the terms and conditions of contract except where they have been damaged or have deteriorated in the course of transit or otherwise after their delivery to the interim consignee.

1504. The provisions contained in Clause 2000 relating to the removal of stores rejected by the Inspecting Officer shall mutatis mutandis apply to stores rejected by the consignee as herein provided.

Note- Deleted.

1505. Subletting and Assignment- The Contractor shall not, save with the previous consent in writing of the Purchaser, sublet, transfer or assign the contract or any part thereof or interest therein or benefit or advantage thereof any manner whatsoever.

In the event of the Contractor's subletting or assigning this contract or any part thereof without such permission, the Purchaser shall be entitled to cancel the contract and to purchase the

stores elsewhere on the Contractor's account and risk and the Contractor shall be liable for any loss or damage which the Purchaser may sustain in consequence or arising out of such purpose.

1506. Changes in a Firm:-

- a) Where the Contractor is a partnership firm, a new partner shall not be introduced in the firm except with the previous consent in writing of the Purchaser, which may be granted only upon execution of a written undertaking by the new partner to perform the contract and accept all liabilities incurred by the firm under the contract prior to the date of such undertaking.
- b) On the death or retirement of any partner of the Contractor firm before complete performance of the contract, the Purchaser may, at his option, cancel the contract and in such case the Contractor shall have no claim whatsoever to compensation against the Purchaser.
- c) If the contract is not determined as provided in Sub-clause (b) above notwithstanding the retirement of a partner from the firm he shall continue to be liable under the contract for acts of the firm until a copy of the public notice given by him under Section 32 of the Partnership Act, has been sent by him to the Purchaser by registered post acknowledgement due.
- d) **Consequence of breach** - Should a partner in the Contractor firm commit a breach of Sub-clause 1505 above or the Contractor should commit a breach of the conditions 1506(a) of this Sub-clause, it shall be lawful for the Purchaser to cancel the contract and purchase or authorize the purchase of the stores at the risk and cost of the Contractor and in that event the provisions of Clauses 0600 and 0700 as far as applicable shall apply.
- e) The decision of the Purchaser as to any matter or thing concerning or arising out of this sub-clause or on any question whether the Contractor or any partner of the Contractor firm has committed a breach of any of the conditions in this sub-clause contained shall be final and binding on the Contractor.

1600. Indemnity.

1601. The Contractor shall at all times indemnify the Purchaser against all claims which may be made in respect of the stores for infringement of any right protected by patent, registration of designs or trade mark. Provided always that in the event of any claim in respect of alleged breach of letters patent, registered designs or trade mark being made against the Purchaser, the Purchaser shall notify the Contractor of the same and the Contractor shall, at his own expense, either settle any such dispute or conduct any litigation that may arise there from.

1602. The Contractor shall not be liable for payment of any royalty, licence fee or other expenses in respect of or for making use of patents or designs with respect to which he is according to the terms of the contract, to be treated as an agent of the Government for the purpose of making use of patent or trade mark for fulfilment of the contract.

1700. Packing.

1701. The Contractor shall pack at his own cost the stores sufficiently and properly for transit by rail/road, air and/or sea as provided in the contract so as to ensure their being free from loss or damage on arrival at their destination.

1702. Unless otherwise, provided in the contract all containers (including packing cases, boxes, tins, drums and wrappings) in which the stores are supplied by the contractor, shall be considered as non-returnable and their cost as having been included in the contract price.

1703. If the contract provides that the containers shall be returnable, they must be marked " Returnable " and they will be returned to the Contractor as per terms of the contract.

1704. If the contract provides that returnable containers shall be separately charged, they shall be invoiced by the Contractor at the price specified in acceptance of tender. In such cases, the Contractor shall give full credit for the invoiced amount if the containers are returned to the Contractor. Return of containers shall be made within a reasonable time and in the event of any dispute or difference arising as to whether the containers were so returned, the decision of the Purchaser thereon shall be final and binding and the Purchaser may, in his discretion award, such compensations as may in his opinion be proper for any undue delay in returning the containers.

1705. Each bale or package delivered under the contract shall be marked by the Contractor or at his own expense. Such marking shall be distinct (all previous irrelevant marking being carefully obliterated) and shall clearly indicate the description and quantity of the stores, the name and address of the Consignee, the gross weight of the package and the name of the Contractor with a distinctive number or mark sufficient for the purpose of identification. All markings shall be carried out with such material as may be found satisfactory by the Inspecting Officer as regards quickness of drying, fastness and indelibility.

1706. The Inspecting Officer may reject the stores if the stores are not packed/or marked as aforesaid and in case where the packing materials are separately prescribed, if such materials are not in accordance with the terms of the contract. Such rejection of the stores by the Inspecting Officer shall be final and binding on the Contractor.

1707. Each bale or package shall contain a packing note specifying the name and address of the Contractor, the number and date of the acceptance of tender or supply order and the designation of the Purchase Officer issuing the supply order, the description of the stores and the quantity contained in such bale or package.

1900. Progress Reports.

1901. The Contractor shall from time-to-time, render such reports concerning the progress of the contract and/or supply of the stores in such form as may be required by the Purchaser.

1902. The submission, receipt and acceptance of such reports shall not prejudice the rights of the Purchaser under the contract, nor shall operate as an estoppel against Purchaser merely by reason of the fact that he has not taken notice of/or subjected to test any information contained in such report.

2000. Removal of Rejected Stores.

2001. On rejection of all stores submitted for inspection at a place other than the premises of the Contractor, such stores shall be removed by the Contractor at his own cost subject as

hereinafter stipulated, within 21 days of the date of intimation of such rejection. If the concerned communication is addressed and posted to the Contractor at the address mentioned in the contract, it will be deemed to have been served on him at the time when such communication would be in the course of ordinary post reach the Contractor. Provided that the Inspecting Officer may call upon the Contractor to remove dangerous, infected or perishable stores within 48 hours of the receipt of such communication and the decision of the Inspecting Officer in this behalf shall be final in all respects. Provided further that where the price or part thereof has been paid, the consignee is entitled without prejudice to his other rights to retain the rejected stores till the price paid for such stores is refunded by the Contractor save that such retention shall not in any circumstances be deemed to be acceptance of the stores or waiver of rejection thereon.

2002. All rejected stores shall in any event and circumstances remain and always be at the risk of the Contractor immediately on such rejection. If such stores are not removed by the Contractor within the periods aforementioned, the Inspection Officer may remove the rejected stores and either return the same to the contractor at his risk and cost by such mode of transport as the Purchaser or Inspecting Officer may decide, or dispose of such stores at the Contractor's risk and on his account and retain such portion of the proceeds, if any from such disposal as may necessary to recover any expense incurred in connection with such disposals (or any price refundable as a consequence of such rejection). The Purchaser shall, in addition, be entitled to recover from the Contractor ground rent/demurrage charges on the rejected stores after the expiry of the time limit mentioned above.

2003. The stores that have been despatched by road or courier and rejected after arrival at destination may be taken back by the Contractor either at the station where they were rejected or at the station from which they were sent, after refunding the price paid for such stores and other charges refundable as a consequence of such rejection. If the contract placed for delivery f o. r. station of despatch, the Contractor shall pay the carriage charges on the rejected consignment at public tariff rates from the station of despatch to the station where they are rejected. If the Contractor elects to take back the goods at the station from which they were despatched, the goods shall in addition, be booked back to him freight to pay at public tariff rates and at owner's risk. The Contractor shall be liable to reimburse packing and incidental costs and charges incurred in such return or rejected stores in addition to other charges refundable as a consequence of rejection. The goods shall remain the property of the Contractor unless and until accepted by the Purchaser, after inspection.

2100. System of Payment.

2101. Unless otherwise agreed upon between the parties, payment for delivery of the stores/Work will be made on submission of bills in the prescribed form.

2102. Payment for the stores/Work or for each consignment thereof will be made to the Contractor on submission of bills accompanied by required document in accordance with the mutually agreed terms & conditions, procedure has been agreed to by the Purchaser.

2103. In all other contracts or in contracts where the Inspecting Officer also acts as the interim consignee or where inspection is carried on by the Consignee himself at destination and in all cases of local delivery full payment shall be made on submission of " Final 100 percent bill " supported by the Inspection Certificates and consignee's receipt as aforesaid to the Accounts Officer concerned.

2200. Withholding and lien in respect of sums claimed.

2201. Whenever any claim or claims for payment of a sum of money arises out of or under the contract against the Contractor, the Purchaser 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 Purchaser shall be entitled to withhold the said cash 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 Purchaser shall be entitled to withhold and have lien to retain 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 the Purchaser or the 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 Purchaser will be kept withheld or retained as such by the Purchaser till the claim arising out of or under the contract is determined by the Arbitrator (if the contract is governed by the arbitration clause) or by the competent court as prescribed under clause 2503 hereinafter provided, 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.

2202. For the purpose of Clause 2201, where the Contractor is a partnership firm or a limited company, the Purchaser 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.

2203. 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 withhold or retain by way of lien by the Purchaser or RailTel against any claim of the Purchaser or RailTel in respect of payment of a sum of money arising out of or under any other contract made by the Contractor with the Purchaser or RailTel.

- (a) It is an agreed term of the contract that the sum of money so withheld or retained under this clause by the Purchaser or RailTel will be kept withheld or retained as such by the Purchaser or RailTel till his claim arising out of the same contract or any other contract is either mutually settled or determined by the arbitrator, if the contract is governed by the arbitration clause or by the competent court under Clause 2503 hereinafter provided, as the case may be, and that the Contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the Contractor.

2300. Corrupt Practices

2301. The contractor shall not offer or give or agree to give to any person in the employment of the purchaser or working under the orders of the Purchaser any gift or consideration of any kind as an inducement or reward for doing on for bearing to do or for having done or forborne to do any act in relation to the obtaining execution of the contract or any other contract with the Purchaser or Government or for showing any favour or for bearing to show disfavor to any person in relation to the contract or any other contract with the Purchaser or Government. Any breach of the aforesaid condition by the contractor or any one employed by him or acting on his behalf (whether with or without the Knowledge of the contractor) or

the commission of any offence by the contractor or by any one employed by him or acting on his behalf under Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1947 or any other Act enacted for the prevention of corruption by public servants shall entitle the Purchaser to cancel the contract and all or any other contracts with the contractor and to recover from the contractor the amount of any loss arising from such cancellation in accordance with the provisions of Clauses 0600 and 0700.

2302 Any dispute or difference in respect of either the interpretation effect or application of the above condition or of the amount recoverable there under by the Purchaser from the contractor, shall be decided by the Purchaser, whose decision thereon shall be final and binding on the contractor.

2400. Insolvency and Breach of Contract.

2401. The Purchaser may at any time, by notice in writing summarily determine the contract without compensation to the Contractor in any of the following events, that is to say

- (a) If the Contractor being an individual or if a firm, any partner thereof, shall at any time, be adjudged insolvent or shall have a receiving order or order for administration of his estate made against him or shall take any proceeding for composition under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or enter into any assignment or composition with his creditors or suspend payment or if the firm be dissolved under the Partnership Act, or
- (b) If the Contractor being a company is wound up voluntarily or by the order of a Court or a Receiver, Liquidator or Manager on behalf of the Debenture-holders is appointed or circumstances shall have arisen which entitle the Court or Debenture holders to appoint a Receiver, Liquidator or Manager, or
- (c) If the Contractor commits any breach of the contract not herein specifically provided for.

Provided always that such determination shall not prejudice any right of action or remedy which shall have accrued or shall accrue thereafter to the Purchaser and provided also the Contractor shall be liable to pay to the Purchaser for any extra expenditure he is thereby put to and Contractor shall, under no circumstances, be entitled to any given on re-purchase.

2500. Laws governing the Contract.

2501. This contract shall be governed by the Laws of India for the time being in force.

2502. Irrespective of the place of delivery, the place of performance or place of payment under the contract, the contract shall be deemed to have been made at the place from which the acceptance of tender has been issued.

2503. Jurisdiction of courts- This Courts of the place from where the acceptance of tender has been issued shall alone have jurisdiction to decide any dispute arising out of or in respect of the contract.

2504. Marking of stores- The marking of the stores must comply with the requirements of the laws relating to merchandise marks for the time being in force in India.

2505. Compliance with provisions of Contract Labour (Regulation and Abolition) Act, 1970:

- 1) The Contractor shall comply with the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the Contractor Labour (Regulation and Abolition) Central Rules, 1971, as modified from time-to-time, wherever applicable and shall also indemnify the Purchaser from and against any claims under the aforesaid Act and the Rules..
- 2) The Contractor shall obtain a valid license under the aforesaid Act as modified from time-to-time before the commencement of the contract and continue to have a valid license until the completion of the contract. Any failure to fulfill this requirement shall attract the penal provisions of the contract arising out of the resultant non-execution of the contract.
- 3) The Contractor shall pay to labour employed by him directly or through Sub-Contractors the wages as per provisions of the aforesaid Act and the Rules wherever applicable. The Contractor shall, notwithstanding the provisions of the contract to the contrary, cause to be paid the wages to labour indirectly engaged on the contract including any engaged by his Sub-Contractors in connection with the said contract, as if the labour had been immediately employed by him.
- 4) In respect of all labour directly or indirectly employed in the contract for performance of the Contractor's part of the contract, the Contractor shall comply with or cause to be complied with the provisions of the aforesaid Act and the Rules wherever applicable.
- 5) In every case in which, by virtue of the provisions of the aforesaid Act or the Rules, the, Purchaser is obliged to pay any amount of wages to a workman employed by the Contractor or his Sub-Contractor in execution of the contract or to incur any expenditure in providing welfare and health amenities required to be provided under the aforesaid Act and the Rules or to incur any expenditure on account of the contingent liability of the Purchaser due to the Contractor's failure to fulfill his statutory obligations under the aforesaid Act or the Rules the Purchaser will recover from the Contractor, the amount of wages so paid or the amount of expenditure so incurred, and without prejudice to the rights of the Purchaser under Section 20, Sub-section (2) and Section 21, Sub-section (4) of the aforesaid Act, the Purchaser shall be at liberty to recover such amount or part thereof by deducting it from the security deposit and/or from any sum due by the Purchaser to the Contractor whether under the contract or otherwise. The Purchaser shall not be bound to contest any claim made against it under Sub-section(i) of Section 20 and Sub-section (4) of Section 21 of the aforesaid Act except on the written request of the Contractor and upon his giving to the Purchaser full security for all costs for which the Purchaser might become liable in contesting such claim. The decision of the Purchaser regarding the amount actually recoverable from the Contractor as stated above, shall be final and binding on the Contractor.

2600. Headings.

The headings of conditions here to shall not affect the construction thereof.

2700 Settlement of Disputes / Arbitration

- 1) Any dispute or difference whatsoever arising between the parties out of or relating to the construction, meaning, scope, operation or effect of this contract or the validity or the breach thereof shall be settled by arbitration in accordance with the Arbitration

and Conciliation Act, 1996 as amended and the award made in pursuance thereof shall be binding on the parties. The venue of such arbitration or proceedings thereof shall be at **Kolkata**.

- 2) All arbitration proceedings shall be conducted in English. Recourse 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.
- 3) The Arbitral Tribunal shall consist of the Sole Arbitration appointed by mutual agreement of the parties.

Each of the parties agree that notwithstanding that the matter may be referred to Arbitrator as provided herein, the parties shall nevertheless pending the resolution of the controversy or disagreement continue to fulfill their obligation under this Agreement so far as they are reasonably able to do so.

Chapter-VI

FORMS OF TENDER

Form No. 1	:	Offer Letter
Form No. 3	:	Agreement
Form No. 4	:	Guarantee Bond for Security Deposit
Form No. 5	:	Statement of Deviations
Form No. 6	:	Acknowledgement for receiving materials from RailTel
Form No. 7	:	Extension of period of completion of work on account of contractor
Form No. 11	:	Mandate form for payment through ECS/RTGS System

AGREEMENT (FORM-3)

An agreement made this ---- day of ----- 2017 , between RailTel Corporation of India Ltd, a company incorporated under the companies Act 1956 and having its Regional Office at 16th Floor, Chatterjee International Centre, 33A Jawaharlal Nehru Road, Kolkata-700071 (here in after referred as RailTel) of the One part; and M/s ----- (Hereinafter referred to as 'contractor') of the other part.

Whereas in response to a call for Tender for "Provision of Video Surveillance System at the concerned Railway Stations mentioned in the Schedule as per Tender papers, the Contractor has submitted his offer.

Whereas the Contractor has agreed with RailTel Corporation of India Ltd for Provision of Video Surveillance System at the concerned Railway Stations mentioned in the Schedule as per the Tender document No. RailTel/Tender/LT/SR/KOL/2017-18/____Dt._____for Rs.----- (Rupees ----- only) as per copy of Letter of Acceptance (LOA) of limited tender issued vide letter No. RailTel/Tender/LT/ER/KOL/2017-18/____ Dt. -----.2017 at accepted rates as contained in the said LOA (Annexure-3 hereto) issued by RailTel with schedule of requirement and terms and conditions.

Now this agreement witnesses that in consideration of the payment to be made by RailTel to the Contractor provided, the Contractor shall execute the work of Provision of Video Surveillance System at the concerned Railway Stations mentioned in the Schedule as per the Tender document for which the said tender of Contractor has been accepted strictly according to the Annexure-1,2 and 3 hereto and upon such work of Provision of Video Surveillance System at the concerned Railway Stations mentioned in the Schedule as per the Tender document& satisfactory completion of work and performance of the system to the satisfaction of the RailTel, the RailTel shall pay to the Contractor at the rates accepted as per the said Annexure-1 and in terms of conditions contained in Annexure-1, 2 & 3.

Whereas M/s. ----- has submitted ----- no. ----- dt.----- for Rs.- ----- drawn on ---- Bank , -----branch, ----- valid till ----- towards the security deposit and submitted ----- no. ----- dt.----- for Rs.----- drawn on ---- Bank , ----- branch, ----- valid till ----- towards Performance Bank Guarantee for due fulfillment of the contract.

In the witness where of the parties have hereinto set and subscribed their respective hands and/or seals day and year respectively mentioned against their respective signatures.

Signed and delivered at _____ by Shri _____ for and on behalf of M/s. _____

The contractor within named in the presence of:

1. Signatures Date Name in Block Capitals Address
2. Signatures

Date _____
Name _____ in _____ Block _____ Capitals _____
Address _____
Signed and delivered at _____ for and on behalf of RailTel

by Shri _____ {Executive Director (Eastern Region) or his successor}
in
the presence of:

1.

Signatures

Date

Name

in

Block

Capitals
2.

Signature

Date

Name in Block Capitals

Address:

Annexure

Annexure

Annexure

'1':

'B':

'C':

Schedule

of

Tender

Letter

of

Works/rates.

Document.

Acceptance

(Signature)_____ Dated: Complete with enclosures

GUARANTEE BOND FOR SECURITY DEPOSIT (form-4)

(On Stamp Paper of requisite value)

(To be used by approved Scheduled Banks)

1. In consideration of the RailTel Corporation of India Limited, registered office at 10th floor, Bank of Baroda Building, 16, Sansad Marg. New Delhi- 110001 and regional office at 16th Floor, Chatterjee International Centre, 33A Jawaharlal Nehru Road, Kolkata-700071. (Hereinafter called "the RailTel") having agreed to exempt (M/s. Party Name and Address).....
(Hereinafter called " the said Contractor(s)" from the demand, under the terms and conditions of an Agreement No.(LOA/P.O No.)
Dated.....(LOA/P.O date) made between and..... for
..... (Name of Work) (hereinafter called " the said Agreement") of Security Deposit for the due fulfillment by the said contractor(s) of the terms and conditions contained in the said Agreement, or production of a Bank Guarantee for Rs. (Rs. only). We,(Bank Name and Address)) hereinafter referred to as " the Bank") at the request of.
..... Contractor(s) do hereby undertake to pay the RailTel an amount not exceeding Rs. Against any loss or damage caused to or suffered or would be caused to or suffered by the RailTel by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said Agreement.
2. We, Bank (Bank Name and Address) do hereby undertake to pay the amount due and payable under this Guarantee without any demur, merely on demand from the RailTel stating that the amount is claimed is due by way of loss or damage caused to or would be caused to or suffered by the RailTel by reason of breach by the said Contractor(s) of any of terms or conditions contained in the said Agreement or by reason of the Contractor(s) failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.
3. We, Bank (Bank Name and Address) 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 there under and the Contractor(s) / Supplier(s) shall have no claim against us for making such payment.
4. We, Bank (Bank Name and Address) 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 (1) We shall be discharged from all liability under this Guarantee thereafter.

5. We, (Bank Name and Address) further agree with the RailTel that the RailTel shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the Agreement or to extend time of to postpone for any time or from time to time any of the powers exercisable by the RailTel against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension to the said Contractor(s) or for any forbearance, act or omission on the part of RailTel or any indulgence by the RailTel to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have affect of so relieving us.
6. This Guarantee will not be discharged due to the change in the Constitution of the Bank or the Contractor(s) Supplier(s).
7. We, (indicate the name of Bank) lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the RailTel in writing.

Dated the day of 2017

For.....
(Indicate the name of the Bank)

Witness

1. Signature

 Name

2. Signature

 Name

Statement of Deviations (FORM-5)

PROFORMA FOR STATEMENT OF DEVIATIONS

1. The following are the particulars of deviations from requirement of the Instructions to Tenderers, General condition and Standard conditions of Contract.

1.1 Instructions to Tenderers (Chapter I)

Clause	Deviation (Including Justification)	Remark

1.2 Commercial terms & Conditions (Chapter V)

Clause	Deviation (Including Justification)	Remark

1.3 Standard Condition (Chapter IV)

Clause	Deviation (Including Justification)	Remark

2. The following are the particulars of deviations from requirement of the technical specifications. (Chapter VI)

Clause	Deviation (Including Justification)	Remark

Note:

Where there is no deviation, the statement should be returned duly signed with an endorsement indicating no deviations.

SIGNATURE AND SEAL OF THE
MANUFACTURER / TENDERER

FORM-6**ACKNOWLEDGMENT FOR RECEIVING MATERIALS FROM RAILTEL**

Station:

Date:

Sub: Receipt of Material from RailTel

It is hereby acknowledged that the following materials have been received in full and good condition by me on _____ at _____ for the work under the Agreement no. dated

Sl. No.	Description of Material	Quantity (Meter/No.)	Remarks if any
---------	-------------------------	-------------------------	-------------------

Witnessed by:

(Signature of Engineer's
Representative with
Designation)

(Signature of Contractor
or Contractor's
Representative)

FORM – 7

EXTENSION OF PERIOD OF COMPLETION OF WORK ON CONTRACTOR'S ACCOUNT

No.

Date:

To,

.....
.....

Sub: (i) Name of Work :
(ii) Acceptance Letter No.
(iii) Undertaking / Agreement No.

Ref:(Quote specific application of the Contractor for extension to date, if received).

Dear Sir,

The stipulated date for completion of the work mentioned above isfrom the progress made so far and the present rate of progress, it is unlikely that the work will be completed by the above date (or However, the work was not completed on this date)

Expecting that you may be able to complete the work if some time is given the Executive Director(Eastern Region), RailTel Corporation of India Limited, Kolkata although not bound to do so, hereby extends the time for completion from to

Please note that an amount equal to 0.5% of the total value of the contract per week or part thereof (rounded off to the nearest whole number) subject to a maximum of 10% of the total contract value of the works as a recovery for delay in the completion of the work after the expiry of (1) will be recovered from as mentioned in clause 14 of the special conditions of contract for the extended period notwithstanding the grant of this extension. You may proceed with the work accordingly.

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 conditions or, 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 para of special conditions of contract.

Yours faithfully,
For & on behalf of RailTel Corporation of India Limited

Note:

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

FORM NO. 11

Format for instruction to be provided by vendor/contractor for RTGS payment to be made to them by RailTel against tenders

Date:

To

M/s RailTel Corporation of India Ltd.
16th Floor, Chatterjee International Centre
33A Jawharlal Nehru Road
Kolkata - 700071

Dear Sir,

Re: Option for payment of our bills/dues relating to tenders floated by RailTel.

Kindly refer to tender no. _____ dated _____

Which was awarded to our company as per your award letter no. _____ dated _____. Against the above LOA participated/awarded to us, we authorize you make payment of dues/bills to us in RTGS/EFT mode against the particulars mentioned below:

1. Name of the agency as given in Bank account
2. Name of the Bank
3. Bank Branch & address
4. Bank account no.
5. Bank account type (savings / current)
6. IFSC code
7. Agency's Address
8. Agency's telephone & mobile no.

We also enclose herewith a copy of canceled cheque of the above mentioned bank account for verification of particulars.

I hereby declare that the above particulars given above are correct and complete.

Encl: As above.

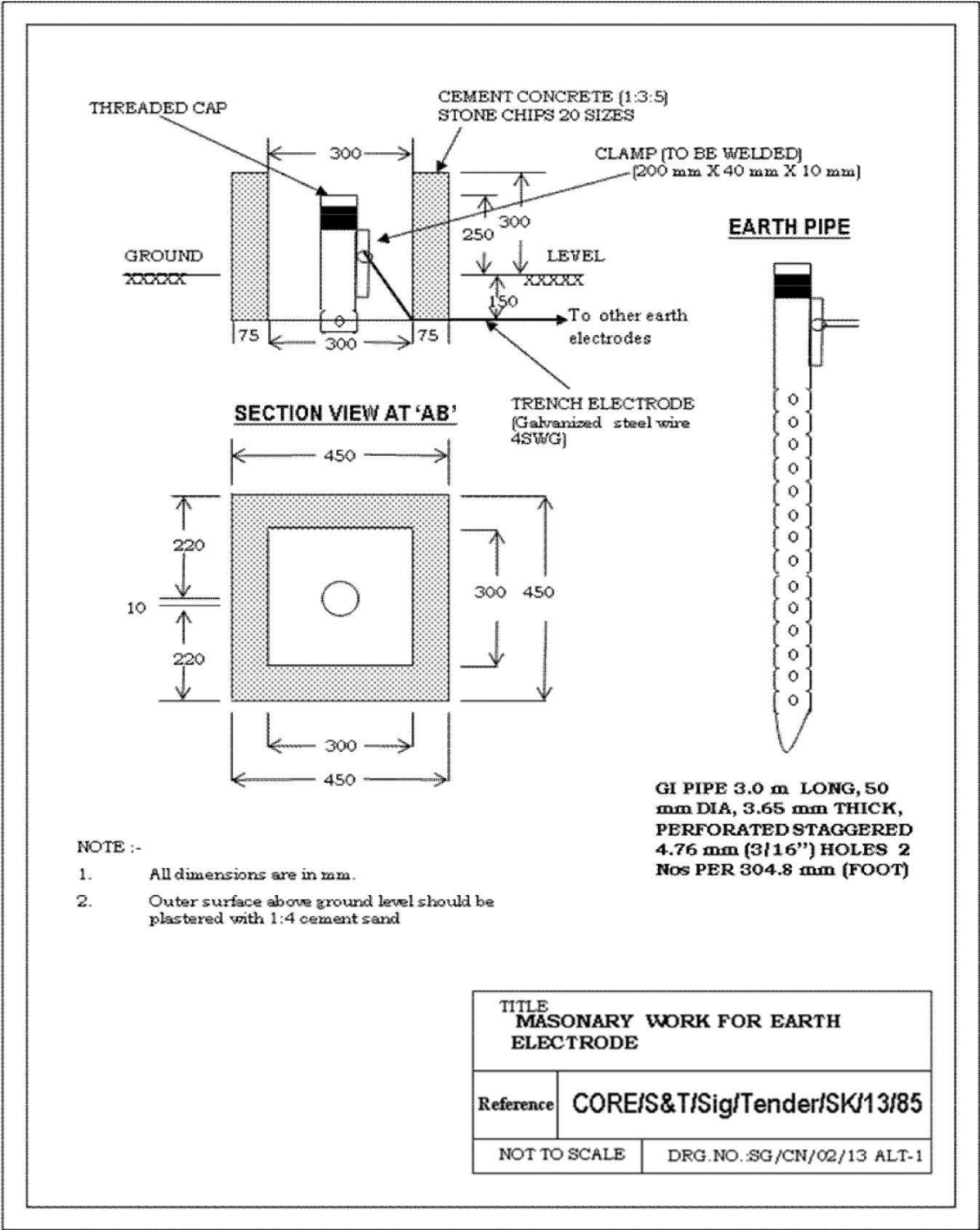
(Sign & Seal of the Vendor)

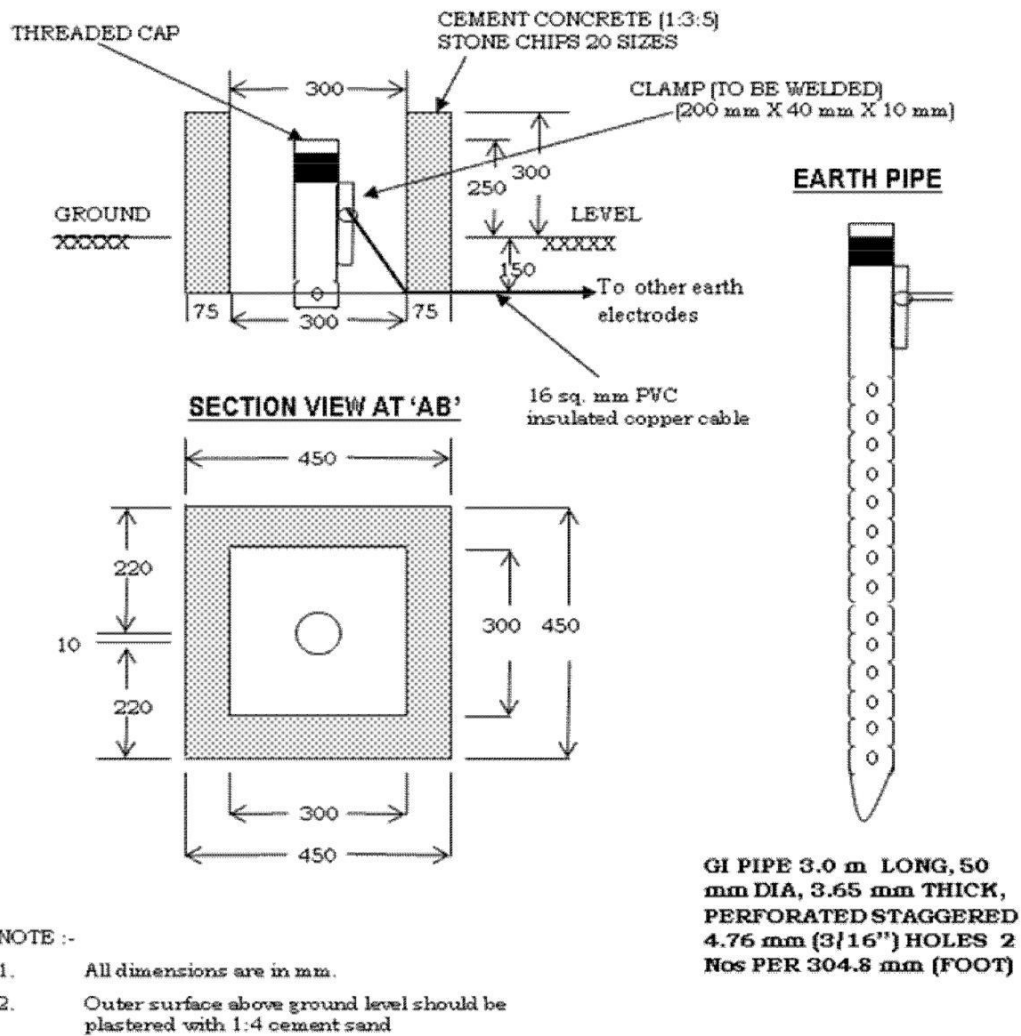
Certified that the particulars furnished at item no 1 to 6 above are correct as per our records.

Signature of Authorized

Official from the bank.

S





TITLE MASONARY WORK AND CONNECTIVITY FOR EARTH ELECTRODE	
Reference	CORE/S&T/Sig/Tender/SK/13/85
NOT TO SCALE	DRG.NO.:SG/CN/02/13 ALT-3

POLE DRAWING FOR CEMERA INSTALLATION

