



रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड

RAILTEL CORPORATION OF INDIA LIMITED

A Mini Ratna CPSE under Ministry of Railways, Govt of India

महाप्रबंधक का कार्यालय / **Office of the General Manager**

No-6/1, 12th Main, Opp-Mount Carmel College, Vasanthnagar, Bangalore 560 052

No: RCIL/SBC/EOI/Doc-safe City/2021-22/001

DT.16-07-2021

Calling for Expression of Interest

- | | |
|---|---|
| 1. Purpose of the EOI | : To finalize suitable business partner for participation in the tender for “Bangalore Safe City” work. |
| 2. Name of the Work | : Execution of RailTel’s portion of the Bengaluru Safe City work |
| 3. Last date of submission & bid opening | : 20.07.2021 @ 13:00 hrs. |
| 4. Validity of the offer | : As per original RFP |
| 5. Completion period | : As per original RFP |
| 6. Maintenance period | : As per original RFP |
| 7. Schedule of requirements | : Enclosed herewith |
| 8. Terms of Payment | : Back to back as per tender conditions |
| 9. Security Deposit | : Back to back as per tender conditions |
| 10. Performance Guarantee | : Back to back as per tender conditions |
| 11. Any other conditions | : Back to back as per tender conditions |
| 12. Instructions for the EOI Participants | |

1. RailTel desires to participate in the “Bengaluru Safe City” tender alongwith a consortium partner. This EOI is intended to select a Business Associate for enabling RailTel to participate in this bid as well as to execute RailTel’s portion of the work.
2. Empaneled Live BA with live validity may quote for one group or more than one group in the SOR enclosed. Only one BA for a group will be chosen. Normally, the work for a group will be awarded to the BA that quotes the lowest in that particular group. It may be noted that once a BA is selected for a group, the scope of the work shall be complete SITC for that group of items.
3. Only BA’s who are empaneled in Category III or above in RailTel in the following area are eligible to participate in this bid:
 - a. Data center Services
 - b. Video Surveillance Services
 - c. Telecom/Network Services
4. The EOI partner shall study the RFP thoroughly and collect all required documents, certificates etc. that are required for enabling RailTel’s participation MAFs, in the tender.
5. It is informed again that the payment conditions & SLA are on back to back basis as per the original RFP.
6. The successful tenderer has to support RailTel is preparation of the bid document.
7. The rates shall be comprehensive and in total for the entire work with break up details if any, and Taxes as applicable.
8. The offer against this Eoi shall remain valid up to 120 days from the date of receiving PO from the end customer in the event of RailTel winning the bid.
9. It is further stated that before the final rate that will be quoted by RailTel, the bid management committee of RailTel for this bid may negotiate with the BA for various make/model/brand of the product as well as the offered rates to enhance the chances for winning the bid.
10. The EOI partner(s) selected will also have to undertake their portion of the PoC as mandated in the main bid at their own cost.
11. It is stated that RailTel has taken all measures to ensure that the SOR format matches the original RFP. However, in case of any discrepancy, the BA is advised to refer to the main RFP and may apply in such manner so as to enable RailTel to participate in the tender.
12. If any matter arises between the parties about this agreement, then the parties shall meet to discuss the matter and shall negotiate in good faith to endeavour to resolve the matter arising the matter however.
 - a. If any matter arising has not been resolved by the parties within thirty (30) days after the date the party raising the matter gave notice of it to the other party: then

- b. The matter shall be submitted by either party to Arbitration. Arbitration shall be held in New Delhi, India. The arbitration shall be conducted as per the provisions of Indian Arbitration and Conciliation Act 1996 and any statutory modification or re-enactment thereof.
 - c. Each party to the dispute shall appoint one Arbitrator each and the two Arbitrators shall appoint the third or the presiding Arbitrator. The arbitration proceedings shall be conducted in the English language. The courts of law at New Delhi, India alone shall have the jurisdiction. The arbitration award shall be final and binding upon the parties and judgement may be entered thereon, upon the application of either party to a court having jurisdiction.
 - d. Each party shall bear the cost of preparing and presenting its case, and the cost of arbitration, including fees and expenses of the arbitrators, shall be shared equally by the parties unless the award otherwise provides.
13. All empaneled BAs are required to submit soft copy of their through an e-mail at **eoi.ebco@railtelindia.com**, duly signed by Authorized Signatories (signed with ink) with Company seal & stamp.
14. Selected empaneled Business Associate's authorized signatory will have to give an undertaking that once the Business Associate is selected will not participate directly or indirectly for this work with any other bidders. This undertaking has to be given with this EOI Response.
15. As per the Government of Karnataka GO NO. FD 675 EXPENDITURE-12/2020 Dated: 22/12/2020, the tenderer shall furnish a Declaration as per the format of EMD Declaration as attached herewith.
16. The successful tenderer will have to sign a non-disclosure agreement with RailTel in the format enclosed.
17. The successful Business Associate will not be allowed to withdraw or back out from the response commitments. In case of withdrawal or back out by the successful business Associate, EOI-EMD and Earnest Money Deposit shall be forfeited and may be blacklisted. In additions to this, all interests/claims of such Business Associate shall be deemed as foreclosed.

EMD (Earnest Money Deposit) Declaration
{Certificate should be provided by Service Provider on company's letter head}

EMD Declaration

Date:

Reference: Request for Proposal for finalizing suitable business partner for participation in the tender for "Bangalore Safe City" work - Execution of RailTel's portion of the Bengaluru Safe City work (EOI No: No: RCIL/SBC/EOI/Doc-safe City/2021-22/001 dt.16-07-21)

I, hereby submit a declaration that the tender submitted by the undersigned, on behalf of the tenderer _____ (**Name of the Tenderer**), shall not be withdrawn or modified during the period of validity or extended period of validity.

I, on behalf of the tenderer _____ (**Name of the Tenderer**), also accept the fact that in case the tender is withdrawn or modified during the period of its validity/extended validity period or if we fail to sign the contract in case the contract is awarded to us or we fail to submit a Performance Security and Additional Performance Security, if any, before the deadline fixed in the Tender Document, then _____ (name of the tenderer) will be debarred for participation in the tendering process for the Procurements of this Procurement Entity for a period of **one year** from the date of default.

(Signature of the Authorised Signatory with Official Seal)

CONFIDENTIAL AND MUTUAL NON- DISCLOSURE AGREEMENT

THIS AGREEMENT MADE ON THIS DAY OF __, 2020 AT New Delhi BETWEEN _____ a company incorporated in India under the provisions of the Companies Act, 1956 and having its Registered Office at (hereinafter referred to as Company") represented by its Managing Director / CEO Mr./Ms _____ duly authorized for the same which expression shall unless repugnant to the meaning or context thereof be deemed to mean and include, its Directors, affiliates, successors and permitted assigns of the **FIRST PART**

AND

RailTel Corporation of India Limited, is a Government of India undertaking under the Ministry of Railways duly incorporated under the provisions of the Companies Act, 1956 and having its registered office and Corporate office at Plat-A, 6th Floor, Office Block Tower-2, East Kidwai Nagar, New Delhi- 110023 (hereinafter referred to as "RailTel") , represented by Dy. General Manager/Law & CS Mr. J.S. Marwah duly authorized for the same which expression shall mean and include unless repugnant to the context, its successors, representative and permitted assigns of the **SECOND PART**

WHEREAS

- A. Company is poised to provide services to for project.
- B. RAILTEL is a Public Sector Undertaking (a 100% owned PSU under the Ministry of Railways), setup inter alia to exploit Indian Railway's large telecom infrastructure.
- C. COMPANY and RAILTEL are working-out/ negotiating a possible commercial and strategic business relationship (hereinafter Purpose).
- D. During the course of the above negotiations RAILTEL and COMPANY (including their affiliates may in conjunction with the purpose and for their mutual benefit, disclose to each other certain information being proprietary and/or of confidential nature, and/or RAILTEL and COMPANY may receive and share or be grant access by the other to such confidential and/or proprietary information which is considered trade secret, proprietary, confidential and/ or sensitive;
- E. The parties and its affiliates wish to ensure the protection and secrecy of their respective confidential information which may be disclosed, received or granted access to by the other party and wish to reduce to writing, their agreement in this respect.

NOW THEREFORE in consideration of the mutual promises, covenants and representations recorded herein by the parties hereto and such additional promises and understanding as are hereinafter set forth, the parties agree as follows:

1) Definition

For the purpose of this agreement, the term 'Confidential Information' shall mean and include any information or data of a scientific, technical, commercial or financial nature disclosed by the Disclosing party to the Receiving Party or which is obtained by a party from the other whether in writing, pictorially, in machine readable form, on disc, mail or orally, or by any other means/ modes of disclosure and including without limitation any information contained in any written or printed document, hardware, firmware and software, information related to technology and business activities (including, but not limited to, communication systems, telecommunication, business outlooks, revenue, pricing, trade secrets), computer programs, software (including, without limitations, code, software output, screen displays, file hierarchies and user interfaces), formulas, data, inventions, techniques, technology, know-how, processes, ideas, (whether patentable or not), schematics, specifications, drawings, product designs, product plants, programming, services, strategies, third party confidential information, and corporate and personnel statistics, customer lists (potential or actual) and other customer-related information, supplier information, sales statistics, market intelligence, marketing, business working, operations, parent, subsidiaries, affiliates and other business strategies and other commercial information of a confidential nature.

(a) The party disclosing the Confidential Information is referred herein to as "Disclosing Party" and the party to which such Confidential Information is disclosed is referred to herein as "Recipient Party".

(b) "Affiliate" of the Party shall mean the Company or other person who or which is either controlled by the respective Party or who controls the respective Party or who or which is controlled by same person/ entity who controls the respective Party, either by way of significant shareholding, voting rights or technical collaboration whether directly or indirectly through its affiliate.

2) Neither party shall be required to disclose any particular information (including but not limited to Confidential Information) to the other and disclosure of any such information shall be entirely voluntary and at the sole discretion of the parties and to the extent deemed necessary by it and is not intended to, and shall not, create any contractual or other relationship or obligation of any kind beyond the terms of this Agreement nor any provision or disclosure of information (including but not limited to Confidential Information) as contemplated hereunder, shall be construed as creating, conveying, transferring by one party on the other any rights, license or authority in or to the information provided. The parties hereto shall use the Confidential Information only for the limited purpose of exploring/ finalizing the possible business relationship between the parties hereto and for no other purpose whatsoever.

3) Both the parties acknowledge and understand that any exchange of confidential Information of any nature shall not commit or bind the other to enter into a contract or otherwise and that neither party shall rely on any information provided by the other as a commitment or an inducement to act or not to act in any given manner. Further neither party shall be liable to the other in any manner whatsoever for any decisions, obligation, costs or expenses incurred, changes in business practices, plans, organization, products, services or otherwise of the other, as a result of this Agreement or any exchange of Confidential Information hereunder.

4) Both the Parties agrees and undertake to regard and preserve as Confidential Information provided by each to the other or which may be disclosed, received or granted access to by either party or come to the knowledge of either party in any manner in connection with the negotiations for the possible business relationship.

5) (a) In maintaining the Confidential Information hereunder both parties agree that they shall not, without first obtaining the written consent of the other, disclose or make available to any person, firm or enterprise, reproduce or transmit, or use (directly or indirectly) for its own benefit or the benefit of others, any Confidential Information save and except that either party may disclose any Confidential Information to its Directors, officers, employees, or advisors on a "need to know" basis to enable them to evaluate such "Confidential Information" in connection with the negotiation for the possible business relationship between the Parties hereto.

(b) Both parties shall ensure that the said employee(s) and / or the said person(s) shall maintain confidentiality with regard to the disclosed Confidential Information, if any, and shall issue suitable instructions and/or get suitable written undertakings or agreements executed to binds its employees and/or the said person(s) to the same obligations of confidence and safeguarding as the parties hereto and to adhere to the confidentiality/ non-disclosure terms contained in this Agreement.

(c) Save and except for the purposes mentioned in clause (a) above both parties further agree that neither party will part with/ disclose any "Confidential Information" received by it to any other person directly or indirectly nor make copy(s) or reproduce in any way (including without limitation store in any computer or electronic system any written material/ documents containing "Confidential Information" and such written material/ documents will be retained under strict confidentiality by the receiving party.

(d) Both parties further agree that the confidential information which may pertain to or touch upon any regulatory aspects and/or dealings of either party with any statutory / government/ related

agencies/ bodies, whether the said information is received verbally or in writing, will not be disclosed in any manner, either directly or indirectly, to any other persons except to its Directors, employees or advisors on a strictly 'need to know' basis.

(e) Both parties further agree to exercise the same degree of care that it exercises to protect its own Confidential Information of a like nature from unauthorised disclosure, but in no event shall a less than reasonable degree of care be exercised by either party.

6) It is mutually acknowledged and agreed that information shall not be considered "Confidential Information" to the extent, that such information : (a) at the time of disclosure was in the public domain or (b) is already known to the receiving party free of any confidentiality obligation at the time it is obtained from other party; or (c) after disclosure is or becomes publicly known or available through no wrongful act of the receiving party; or (d) is rightfully received from a third party without restriction or (e) is approved for release, disclosure, dissemination or use by written authorization from the Disclosing Party; or (f) is required to be disclosed pursuant to a requirement of a governmental agency or law so long as the parties provide each other with timely prior written notice of such requirement and provide all reasonable co-operation in regard to taking protective action against such disclosure requirement; or (g) is disclosed after expiry of 5 (five) years from the date of expiry or earlier termination of this agreement.

However, before any party discloses any Confidential Information under clause 6, either party (to the extent permitted by law) uses its best endeavour to:

- (a) inform other party of any circumstances and the information that will be disclosed
- (b) give the other party a copy of a legal opinion indicating that disclosure is necessary
- (c) consult with the other party as to possible steps including without limitation, protective orders or other appropriate remedy to avoid or limit disclosure and take those steps where they would not result in significant adverse consequences to the other party and
- (d) gain assurances as to the confidentiality from the body to whom the information is to be disclosed. If either party is unable to inform the other party before confidential information is disclosed it will (to the extent permitted by law) inform the other party of the full circumstances of the disclosure and information that has been disclosed immediately after disclosure.

7) Both parties further agree and undertake not to disclose the information marked "Confidential Information" of the other to their agents or contractors without prior written approval from the other and without having first obtained from each agent or contractor a separate written agreement or undertaking binding them to the same obligations of confidence and safeguarding.

8) The parties further recognize that it may be necessary or appropriate for COMPANY to disclose Confidential Information to other Group Companies not named herein. For this purpose, COMPANY guarantees the observance and proper performance of other Group Company to whom Confidential Information is disclosed as above, of the terms and conditions of this agreement.

9) Both parties further agree to indemnify and keep indemnified each other against all actual loss and damage which the Disclosing Party may suffer as a result of any breach of this agreement by the Recipient Party of the Confidential Information. Provided always that

- a. the Disclosing Party shall forthwith give written notice to the recipient Party of the loss and damage; and
- b. the Recipient Party shall be furnished with satisfactory documentary evidence of such actual loss and damage.

10) Both parties further agree that upon termination/ expiry of this Agreement or at any time during its currency, at the request of the Disclosing Party the Recipient Party shall promptly (and in any case, within 15 days of request), deliver to the Disclosing Party all copies of the Confidential Information in its possession or under its direct or indirect control or shall destroy all memoranda, notes and other writings prepared by the recipient party or its affiliates, Directors, officers, employees or advisors to the extent the same are based on the confidential information with a written

statement to the effect that upon such return the Receiving Party has not knowingly retained in its possession or under its control, either directly or indirectly, any Information or copies of such (other than Confidential Information embedded in the Receiving Party's records).

The confidentiality obligations set out herein above shall survive any such return or destruction of Information. Further The provisions set out herein above shall not apply to copies of electronically exchanged Information made as a matter of routine information technology backup and to Information or copies thereof which must be stored by the receiving Party, its Affiliates or its advisers according to provisions of mandatory law, provided that such Information or copies thereof shall be subject to an indefinite confidentiality obligation according to the terms and conditions set forth herein.

11) Both parties acknowledge that the confidential information coming to the knowledge of the other may relate to and/or have implications regarding the future strategies, plans, business activities, methods, processes and or information of the parties which afford them certain competitive and strategic advantage. Accordingly neither party will use the confidential information or strategies, plans, business activities, methods, process, information, and /or competitive and strategic advantage to the other.

12. Each party understands that the other party may currently or in the future be developing information internally, or receiving information from third parties that may be similar to the "confidential Information" Accordingly, nothing in this agreement will be construed as a representation or inference that either party will not develop products, or have products developed for it, or enter into joint ventures, alliances, or licensing arrangements that, without violation of this agreement, compete with the products or systems embodying the "confidential Information".

13. Except as specifically provided herein, disclosure of confidential information by either party pursuant hereto shall not be deemed to grant to the Recipient party, any rights, interest or property in such confidential information and accordingly both parties agree that they will not directly or indirectly claim or submit any application for grant of any patent, copyright, design right or other intellectual property Rights in, to or on the basis of the confidential information.

14. The parties hereto acknowledge and agree that in the event of a breach or threatened breach by the other of the provisions of this Agreement, the party not in breach will have no adequate remedy in money or damages and accordingly notwithstanding anything contained in clause 18 hereof, the party not in breach shall be entitled to injunctive relief against such breach or threatened breach by the party in breach : provided , however, no specification in this confidentiality Agreement of a specific legal or equitable remedy shall be construed as a waiver or prohibition of any other legal or remedies in the event of a breach or threatened breach of this Agreement and the remedies specified herein shall be in addition to all other reliefs and remedies available to the parties under prevailing laws.

15. No failure or delay by either party in exercising or enforcing any right, remedy or power hereunder shall operate as a waiver thereof, nor shall any single or partial exercise or enforcement of any right, remedy or power preclude any further exercise or enforcement of any right, remedy or power preclude any single or partial exercise or enforcement thereof or the exercise or enforcement of any of any other right, remedy or power.

16. Each Party acknowledges that the other Party makes no representation or warranty as to the accuracy or completeness of any of the Information furnished by or on its behalf. Only those representations and warranties which are made in a final definitive agreement relating to the purpose of the disclosure of the Information will have legal effect.

Each party represents and warrants to the other that it is a corporation duly organised and validly existing in the jurisdiction of its incorporation. Each party represents that it has full corporate power

and authority to enter into this Agreement and to do all things necessary for the performance of this Agreement. The Disclosing Party warrants that the Confidential Information has not been provided in breach of any other agreements having legal binding of any nature with the third party(s).

Unless documented and agreed otherwise in respect of any individual disclosure of Confidential Information, each party warrants that it will use its best endeavors to ensure that any Confidential Information it discloses or it intends to disclose to the other party under the provisions of this agreement is complete and accurate but PROVIDED ALWAYS that the disclosing party has exercised such best endeavors:

The parties acknowledge that:

- (a) such Confidential Information as is disclosed by the Disclosing party under this Agreement is accepted by the Receiving Party at its own risk; and
- (b) it releases the Disclosing party from all claims, actions and suits in relation to such Confidential Information (including its use under this Agreement).

17. This agreement will be governed by the laws of India and jurisdiction shall be exclusively vested in the courts at New Delhi, India only.

18. If any matter arises between the parties about this agreement then the parties shall meet to discuss the matter and shall negotiate in good faith to endeavour to resolve the matter arising the matter however.

- a. If any matter arising has not been resolved by the parties within thirty (30) days after the date the party raising the matter gave notice of it to the other party: then
- b. the matter shall be submitted by either party to Arbitration. Arbitration shall be held in New Delhi, India. The arbitration shall be conducted as per the provisions of Indian Arbitration and Conciliation Act 1996 and any statutory modification or re-enactment thereof.
- c. Each party to the dispute shall appoint one Arbitrator each and the two Arbitrators shall appoint the third or the presiding Arbitrator. The arbitration proceedings shall be conducted in the English language. The courts of law at New Delhi, India alone shall have the jurisdiction. The arbitration award shall be final and binding upon the parties and judgement may be entered thereon, upon the application of either party to a court having jurisdiction.
- d. Each party shall bear the cost of preparing and presenting its case, and the cost of arbitration, including fees and expenses of the arbitrators, shall be shared equally by the parties unless the award otherwise provides.

19. This agreement shall not be assignable or transferable by either party without the written consent of the other party.

20. No license to a Party hereto, under any trademark, patent, copyright or any other intellectual property right, is either granted or implied by the conveying of Information to such party.

21. This agreement shall remain valid for a period of 3 (three) years from the date of execution of this Agreement which term may be extended by mutual consent in writing of both the parties. This agreement may be terminated by either party by giving 30 (thirty) days notice in writing to the other party without assigning any reason whatsoever. However, the obligations of each party hereunder shall survive the termination or earlier determination or expiry of this Agreement and shall continue and be binding upon the parties irrespective of whether the discussion between the parties materialize into a specific understanding/business relationship or not for a further period of 5 (five) years after termination / expiry of the Agreement.

22. All notices required by this Agreement shall be in writing, and shall be personally delivered, sent by registered post or by commercial courier, addressed as follows:

To Company: Mr/Ms _____

To RAILTEL:

Attn: Mr. J. S. Marwah

RailTel Corporation of India Limited, Plat-A, 6th Floor, Office Block Tower-2, East Kidwai Nagar, New Delhi- 110023

Nothing in this provision shall be construed to prohibit communication by more expedient means, such as by telephone or facsimile transmission, to accomplish timely communication. However, to constitute effective notice, written confirmation of a telephone conversation or an original of facsimile transmission must be sent by registered post, by commercial carrier, or hand -delivered. Each party may change the address by written notice in accordance with this paragraph. Notices delivered personally shall be deemed communicated as of actual receipt; mailed notices shall be deemed communicated as of four days after mailing, unless such date is a date on which there is no mail service. In that event communication is deemed to occur on the next mail service day.

23. This agreement supersedes all prior discussions and writings with respect to the confidential information and constitutes the entire Agreement between the parties with respect to the subject matter hereof and no modifications of this Agreement or waiver of the terms and conditions hereof shall be binding upon either of the parties hereto, unless approved in writing by an authorized representative of each party. In the event that any of the provisions of this Agreement shall be held by court or other Tribunal of competent jurisdiction to be unenforceable, the remaining portions hereof shall remain in full force and effect and this Agreement shall be interpreted and construed accordingly.

24. This Agreement is executed in duplicate, each of which shall be deemed to be the original and both when sent together shall be deemed to form one and single document.

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the date and year written above.

For	For RailTel Corporation of India Ltd.
Sign:	Sign: Sign:
Name:	Name: Name:
Title:	Title: Company Secretary

Annexure 8.2.1- Financial Bid Format – Summary

Summary of Total Project Cost									
#	Cost Head	Cost for Year 1 (inclusive of Taxes - in INR)	Cost for Year 2 (inclusive of Taxes - in INR)	Cost for Year 3 (inclusive of Taxes - in INR)	Cost for Year 4 (inclusive of Taxes - in INR)	Cost for Year 5 (inclusive of Taxes - in INR)	Cost for Year 6 (inclusive of Taxes - in INR)	Cost for Year 7 (inclusive of Taxes - in INR)	TOTAL COST (inclusive of Taxes - in INR)
1	Capital Expenditure (CAPEX) Cost (Phase-1)								
2	Capital Expenditure (CAPEX) Cost (Phase-2)								
3	Operational Expenditure (OPEX) Cost (Phase- 1)								
4	Operational Expenditure (OPEX) Cost (Phase- 2)								
5	Capital Expenditure (CAPEX) Cost (Phase-3)								
6	Operational Expenditure (OPEX) Cost (Phase- 3)								
7	Manpower Cost for Phase 1,2,3								
	TOTAL BID Value (5 Years) In numbers								
	TOTAL BID Value (5 Years) In words								
	TOTAL Value (7 years) in numbers								
	TOTAL Value (7 years) in words								

Annexure: 8.2.2 Financial Bid Format – CAPEX of Phase 1

S.No.	Description	Unit	QTY	Unit Rate	GST %	GST Amount E = A X B X D	Total with Tax	Responsibility	
			A	B			D		F = (A X B) + E
	Field Level Equipment								
	Other field items								
6	08 Port Industrial Grade Managed network switches at each Junction Box / Weather-proof enclosure (PoE)	No(s)	1640					RAILTEL	
7	Junction Box/ Weather-proof enclosure with earthing for Network Switch, Power Supply, etc.	No(s)	1640					RAILTEL	
8	CAT-6 Patch cords (as AS Required per site)	Ls	1640					RAILTEL	
9	Voltage Surge Suppressor/ Surge Protector for each Junction Box/ Weather-proof enclosure	No(s)	1640					RAILTEL	
10	UPS with 2 hours backup at each location (including batteries etc.)	No(s)	1640					RAILTEL	
11	Corrosion Proof Cabling (Underground power cabling as per BESCOM norms) (as AS Required per site)	Ls	1640					RAILTEL	
14	Miscellaneous item	Ls	As Required					RAILTEL	
	Viewing Centre at Police Stations								
16	Single monitor workstation (27" monitor)	No(s)	80					RAILTEL	
18	65" Screen	No(s)	160					RAILTEL	
19	UPS with 2 hours backup at each location (including batteries etc.)	No(s)	80					RAILTEL	
20	24 Port L2 Switch	No(s)	80					RAILTEL	
22	CAT-6 Cable for indoor network (as AS Required per site)	Ls	80					RAILTEL	
23	Antivirus licenses for workstation	No(s)	80					RAILTEL	
24	Electrical Cabling (as AS Required per site)	Ls	80					RAILTEL	
25	Miscellaneous item	Ls	As Required					RAILTEL	
	Viewing Centre at DCP Offices								
27	Single monitor workstation (27" monitor)	No(s)	8					RAILTEL	
29	65" Screen	No(s)	8					RAILTEL	
30	UPS with 2 hours backup at each location (including batteries etc.)	No(s)	8					RAILTEL	
31	24 Port L2 Switch	No(s)	8					RAILTEL	
33	CAT-6 Cable for indoor network (as AS Required per site)	Ls	8					RAILTEL	
34	Antivirus licenses for workstation	No(s)	8					RAILTEL	
35	Electrical Cabling (as AS Required per site)	Ls	8					RAILTEL	
36	Miscellaneous item	Ls	As Required					RAILTEL	
	Additional Viewing at Vidhana Soudha / Higher Officials								
38	Single monitor workstation (27" monitor)	No(s)	8					RAILTEL	
40	65" Screen	No(s)	8					RAILTEL	
41	UPS with 2 hours backup at each location (including batteries)	No(s)	8					RAILTEL	
42	24 Port L2 Switch	No(s)	8					RAILTEL	
44	CAT-6 Cable for indoor network (as AS Required per site)	Ls	8					RAILTEL	
45	Antivirus licenses for workstation	No(s)	8					RAILTEL	
46	Electrical Cabling (as AS Required per site)	Ls	8					RAILTEL	
47	Miscellaneous item	Ls	AS Required					RAILTEL	
	Command & Control Centre								
50	Operator Workstation with 3-monitor Support	No(s)	14					RAILTEL	
52	IP Phone with Headsets	No(s)	20					RAILTEL	
53	UPS as per appropriate capacity with 30 mins backup	No(s)	1					RAILTEL	
54	Printer and Scanner	No(s)	2					RAILTEL	
55	CAT-6 24 port Jack Panel	Ls	AS Required					RAILTEL	
56	Antivirus licenses for workstation	No(s)	14					RAILTEL	
57	Firewall	Ls	AS Required					RAILTEL	
58	Miscellaneous item	Ls	AS Required					RAILTEL	
	Data Centre								
81	Core Switch	No(s)	2					RAILTEL	
82	Core Router	No(s)	2					RAILTEL	
83	Internet Perimeter Firewall	No(s)	2					RAILTEL	
84	Server Load Balancer	No(s)	AS Required					RAILTEL	
85	Data Leakage Prevention	No(s)	AS Required					RAILTEL	
86	Link Load Balancer	No(s)	AS Required					RAILTEL	
87	Anti-DDoS	No(s)	AS Required					RAILTEL	
88	SSL Interceptor	No(s)	AS Required					RAILTEL	
89	Video Management Server	No(s)	AS Required					RAILTEL	
90	Database Server	No(s)	AS Required					RAILTEL	
91	Web Server	No(s)	AS Required					RAILTEL	
92	Antivirus, Syslog & EMS Server	No(s)	AS Required					RAILTEL	
93	SMS Gateway (integration with third party gateway) + SMS Charges	Ls	AS Required					RAILTEL	
94	Big Data Server	No(s)	AS Required					RAILTEL	
95	Server for Mobile Application for Field Team	No(s)	AS Required					RAILTEL	
96	Server for Facial Recognition System	No(s)	AS Required					RAILTEL	
97	Server for ANPR System	No(s)	AS Required					RAILTEL	
98	Server for Video Intelligence Platform	No(s)	AS Required					RAILTEL	

99	Server for C4I/Incident Management Operator Software	No(s)	AS Required					RAITEL
100	Server for summarising / synopsis of Videos	No(s)	AS Required					RAITEL
102	EMS application and its licenses	No(s)	AS Required					RAITEL
104	Antivirus Software with all AS Required License	No(s)	AS Required					RAITEL
115	Equipment Rack	No(s)	AS Required					RAITEL
116	Heavy duty PVC conduit (Lumpsum as per site requirement)	Ls	AS Required					RAITEL
117	Electrical cabling (Lumpsum as per site requirement)	Ls	AS Required					RAITEL
118	Earthing	Ls	1					RAITEL
119	Diesel Generator	No(s)	1					RAITEL
120	AMF control panel	Ls	AS Required					RAITEL
122	Air-conditioning	Ls	AS Required					RAITEL
123	Access control system	No(s)	AS Required					RAITEL
124	Light illumination	Ls	AS Required					RAITEL
125	15 Petabyte SAN/ NAS/Scale out Storage	No(s)	1					RAITEL
126	San switch	No(s)	If AS Required					RAITEL
127	24 Port Layer 3 Network Switch	No(s)	AS Required					RAITEL
128	Licenses for Key Management Solution	No(s)	AS Required					RAITEL
129	Licenses for Threat Intelligence Management	No(s)	AS Required					RAITEL
130	SIEM	No(s)	AS Required					RAITEL
131	Web Application Firewall	No(s)	AS Required					RAITEL
132	Firewall	No(s)	AS Required					RAITEL
133	Compute Virtualization and Management Solution	Ls	AS Required					RAITEL
134	Network and Security Virtualization	Ls	AS Required					RAITEL
135	UPS as per appropriate capacity with 30 mins backup	No(s)	1					RAITEL
136	Electric Meters + change over system, two incoming HT grid feeder supply from different sub-stations	No(s)	AS Required					RAITEL
137	Miscellaneous item (Tie metal type, PVC industrial tie, MS flexible conduit, fabrication AS Required (if any), minor civil work etc)).	Ls	AS Required					RAITEL
	Safety Islands							
141	8 Port Industrial Grade Managed network switches at each Junction Box / Weather-proof enclosure (PoE)	No(s)	30					RAITEL
142	UPS with 2 hours backup (including batteries etc.)	No(s)	30					RAITEL
143	Appropriate illumination (protected from theft/vandalism)	Ls	30					RAITEL
144	Weather-proof enclosure for ECB	No(s)	30					RAITEL
145	Junction Box	No(s)	30					RAITEL
147	Electric Meters	No(s)	30					RAITEL
148	Miscellaneous item	Ls	AS Required					RAITEL
	Drones							
	GIS							
155	GIS server	No(s)	As Required					RAITEL
156	Single monitor workstation (27" monitor)	No(s)	11					RAITEL
157	Antivirus licenses for workstation	No(s)	11					RAITEL
158	Miscellaneous item	Ls	AS Required					RAITEL
	Body Worn Cameras							
	Disaster Recovery Centre							
162	Back-up Software	Ls	AS Required					RAITEL
165	Server for Back-up software	No(s)	AS Required					RAITEL
166	Disaster Recovery Management tool	Ls	AS Required					RAITEL
167	Video Management Server	No(s)	AS Required					RAITEL
168	Database Server	No(s)	AS Required					RAITEL
169	Web Server	No(s)	AS Required					RAITEL
170	Antivirus, Syslog & EMS Server	No(s)	AS Required					RAITEL
171	Antivirus Software with all AS Required Licenses	No(s)	AS Required					RAITEL
172	EMS application and its licenses	No(s)	AS Required					RAITEL
173	Equipment Rack	Nos	AS Required					RAITEL
174	6 Petabyte SAN/ NAS/Scale Out Storage	Nos	1					RAITEL
175	SAN switch	Nos	AS Required					RAITEL
176	24 Port Layer 3 Network Switch	No(s)	AS Required					RAITEL
177	Core Switch	No(s)	AS Required					RAITEL
178	Core Router	No(s)	AS Required					RAITEL
179	Compute Virtualization and Management Solution	Ls	AS Required					RAITEL
180	Network and Security Virtualization	Ls	AS Required					RAITEL
181	Web Application Firewall	No(s)	AS Required					RAITEL
182	Firewall	No(s)	AS Required					RAITEL
183	UPS as per appropriate capacity with 30 mins backup	No(s)	AS Required					RAITEL
184	Interior works including civil, portioning, false flooring/ceiling	Ls	AS Required					RAITEL
185	Electric Meters	No(s)	AS Required					RAITEL
186	Miscellaneous Item (Tie metal type, PVC industrial tie, MS flexible conduit, fabrication AS Required (if any), minor civil work etc)).	Ls	As Required					RAITEL
	TOTAL CAPEX COST OF PHASE-1 (in INR – Values)							
	TOTAL CAPEX COST OF PHASE-1 (in INR – Words)							

Annexure: 8.2.3 Financial Bid Format – CAPEX of Phase 2

			QTY	Unit Rate	GST %	GST Amount	Total with Tax	Responsibility
S. No.	Description	UoM	A	B	D	$E = \frac{A \times B \times D}{100}$	$F = (A \times B) + E$	
	Field Level Equipment							
	Other field items							
6	08 Port Industrial Grade Managed network switches at each Junction Box / Weather-proof enclosure (PoE)	No(s)	1360					RAITEL
7	Junction Box/Enclosure with earthing for Network Switch, Power Supply, etc.	No(s)	1360					RAITEL
8	CAT-6 Patch cords (as required per site)	Ls	1360					RAITEL
9	Voltage Surge Suppressor/ Surge Protector for each Junction Box/ Weather-proof enclosure	No(s)	1360					RAITEL
10	UPS with 2 hours backup at each location (including batteries etc.)	No(s)	1360					RAITEL
11	Corrosion Proof Cabling (Underground power cabling as per BESCOM norms) (as required per site)	Ls	1360					RAITEL
12	Electric Meters for each location	No(s)	1360					RAITEL
13	Re-instatement charges for each location	Ls	1360					RAITEL
14	Miscellaneous item	Ls	As Required					RAITEL
	Viewing Centre at Police Stations							
16	Single monitor workstation (27" monitor)	No(s)	32					RAITEL
18	65" Screen	No(s)	64					RAITEL
19	UPS with 2 hours backup at each location (including batteries etc.)	No(s)	32					RAITEL
20	24 Port L2 Switch	No(s)	32					RAITEL
22	CAT-6 Cable for indoor network (as required per site)	Ls	32					RAITEL
23	Antivirus licenses for workstation	No(s)	32					RAITEL
24	Electrical Cabling (las required per site)	Ls	32					RAITEL
25	Miscellaneous item	Ls	As Required					RAITEL
	Command & Control Centre							
28	Operator Workstation with 3-monitor Support	No(s)	26					RAITEL
30	Video wall Monitors with software & controller (8*3)	No(s)	1					RAITEL
31	IP Phone with Headsets	No(s)	40					RAITEL
32	CAT-6 24 port Jack Panel	Ls	As Required					RAITEL
33	CAT-6 Patch cords 1 metres	Ls	As Required					RAITEL
34	CAT-6 Patch cords 3 metres	Ls	As Required					RAITEL
35	CAT-6 Cable for indoor network	Ls	As Required					RAITEL
36	Electrical Cabling (as per site requirement)	Ls	As Required					RAITEL
37	Electrical lighting & fittings	Ls	As Required					RAITEL
38	Access control system	Ls	As Required					RAITEL
39	Fire detector & proofing (includes suppression system)	Ls	As Required					RAITEL
40	Air conditioning (1+1 Redundancy) (as per site requirement)	Ls	As Required					RAITEL
41	Rodent Repellent System	Ls	As Required					RAITEL
42	Interior Partitions, False ceiling and all necessary furniture	Ls	As Required					RAITEL
44	Heavy duty PVC Conduit with accessories (Lumpsum as per site requirement)	Ls	As Required					RAITEL
46	Antivirus Software License for workstation	No(s)	26					RAITEL
47	Migration from existing CCC to new CCC	Ls	1					RAITEL
48	Interior works including civil, electrical, BMS/Fire & Security systems, etc. (as per scope of RFP)	Ls	As Required					RAITEL
49	Electric Meters	No(s)	As Required					RAITEL
50	Miscellaneous item	Ls	As Required					RAITEL
	Help Desk							
51	IP Phones including headsets	No(s)	2					RAITEL
52	Workstation with 2 Monitors	No(s)	2					RAITEL
53	Antivirus licenses for workstation	No(s)	2					RAITEL
54	65" Screen	No(s)	1					RAITEL
55	Miscellaneous item	Ls	As Required					RAITEL
	Data Centre							
56	Migration from existing DC to new facility of Data Centre	Ls	1					RAITEL
57	Interior works including civil, electrical, BMS/Fire & Security systems, etc.	Ls	1					RAITEL
58	Miscellaneous item	Ls	As Required					RAITEL
	Safety Islands							
62	8 Port Industrial Grade Managed network switches at each Junction Box / Weather-proof enclosure (PoE)	No(s)	20					RAITEL
63	UPS with 2 hours backup (including batteries etc.)	No(s)	20					RAITEL
64	Appropriate illumination (protected from theft/vandalism)	Ls	20					RAITEL
65	Weather-proof enclosure for ECB	No(s)	20					RAITEL
66	Junction Box	No(s)	20					RAITEL
68	Electric Meters	No(s)	30					RAITEL
69	Miscellaneous item	Ls	As Required					RAITEL
	TOTAL CAPEX COST OF PHASE-2 (in INR – Values)							
	TOTAL CAPEX COST OF PHASE-2 (in INR – Words)							

Annexure: 8.2.4 Financial Bid Format – OPEX of Phase 1

			QTY	2nd Year				Responsibility
							Total (in INR)	
S.No.	Description	UoM	Phase-1	Unit Rate (in INR)	GST%	Amount (in INR) [D]		
			A	B	C	D = (B+ (B*C))*A	H = D	
Field Level Equipment								
Field Surveillance system								
5	AMC for 08 Port Industrial Grade Managed network switches at each Junction Box / Weather-proof enclosure (PoE)	No(s)	1640					RAILTEL
6	AMC for Voltage Surge Suppressor/ Voltage Protector for Junction Box/Weather-proof enclosure	No(s)	1640					RAILTEL
7	AMC for UPS with batteries	No(s)	1640					RAILTEL
8	Network bandwidth charges	PA	1640					RAILTEL
9	Recurring Electricity charges	PA	1640					RAILTEL
10	Miscellaneous item	Ls	As Required					RAILTEL
Police Stations								
12	AMC for Single monitor workstation (27" monitor)	No(s)	80					RAILTEL
14	AMC for 65"Screen	No(s)	160					RAILTEL
15	AMC for UPS with batteries	No(s)	80					RAILTEL
16	AMC for 24 Port L2 Switch	No(s)	80					RAILTEL
18	AMC for Antivirus licenses for workstation	No(s)	80					RAILTEL
19	Network bandwidth charges	PA	80					RAILTEL
20	Miscellaneous item	Ls	As Required					RAILTEL
DCP Offices								
22	AMC for Single monitor workstation (27" monitor)	No(s)	8					RAILTEL
24	AMC for 65" Screen	No(s)	8					RAILTEL
25	AMC for UPS with batteries	No(s)	8					RAILTEL
26	AMC for 24 Port L2 Switch	No(s)	8					RAILTEL
28	AMC for Antivirus licenses for workstation	No(s)	8					RAILTEL
29	Network bandwidth charges	PA	8					RAILTEL
30	Miscellaneous item	Ls	As Required					RAILTEL
Additional Viewing at Vidhana Soudha / Higher Officials								
32	AMC for Single monitor workstation (27" monitor)	No(s)	8					RAILTEL
34	AMC for 65" Screen	No(s)	8					RAILTEL
35	AMC for UPS with batteries	No(s)	8					RAILTEL
36	AMC for 24 Port L2 Switch	No(s)	8					RAILTEL
38	AMC for Antivirus licenses for workstation	No(s)	8					RAILTEL
39	Network bandwidth charges	PA	8					RAILTEL
40	Miscellaneous item	Ls	As Required					RAILTEL
Command & Control Centre								
44	AMC for Operator Workstation with 3 monitors	No(s)	14					RAILTEL
46	AMC for IP Phone with Headsets	No(s)	20					RAILTEL
47	AMC for UPS as per appropriate capacity with 30 mins backup	No(s)	1					RAILTEL
48	AMC for Printer and Scanner	No(s)	2					RAILTEL
49	AMC for Antivirus Software with all required License	No(s)	14					RAILTEL
50	AMC for Firewall	Ls	As Required					RAILTEL
51	Network bandwidth charges	PA	As Required					RAILTEL
52	Recurring electricity Charges	Ls	As Required					RAILTEL
53	Miscellaneous item	Ls	As Required					RAILTEL
Data Centre								
74	AMC for Core Switch	No(s)	2					RAILTEL
75	AMC for Core Router	No(s)	2					RAILTEL
76	AMC for Internet Perimeter Firewall	No(s)	2					RAILTEL
77	AMC for C4i Software	No(s)	As Required					RAILTEL
78	AMC for EMS application and its licenses	No(s)	As Required					RAILTEL
79	AMC for Server Load Balancer	No(s)	As Required					RAILTEL
80	AMC for Data Leakage Prevention	No(s)	As Required					RAILTEL
81	AMC for Link Load Balancer	No(s)	As Required					RAILTEL
82	AMC for Anti-DDoS	No(s)	As Required					RAILTEL
83	AMC for SSL Interceptor	No(s)	As Required					RAILTEL
84	AMC for Video Management Server	No(s)	As Required					RAILTEL
85	AMC for Database Server	No(s)	As Required					RAILTEL
86	AMC for Web Server	No(s)	As Required					RAILTEL
87	AMC for Antivirus, Syslog & EMS Server	No(s)	As Required					RAILTEL
88	AMC for SMS Gateway (recurring expenses) + SMS Charges	Ls	As Required					RAILTEL
89	AMC for Big Data Server	No(s)	As Required					RAILTEL
90	AMC for Server for Mobile Application for Field Team	No(s)	As Required					RAILTEL
91	AMC for Server for Facial Recognition System	No(s)	As Required					RAILTEL
92	AMC for Server for ANPR System	No(s)	As Required					RAILTEL
93	AMC for Server for Video Intelligence Platform	No(s)	As Required					RAILTEL
95	AMC for Server for summarising / synopsis of Videos	No(s)	As Required					RAILTEL
97	AMC for Antivirus Software with all required License	Ls	As Required					RAILTEL
98	AMC for licenses for Automated Number Plate Recognition (ANPR) System & Vehicle of Interest Search & Identification	No(s)	1000					RAILTEL

108	AMC for Equipment Rack	Ls	As Required					RAILTEL
109	AMC for Diesel Generator	No(s)	1					RAILTEL
110	AMC for AMF control panel	No(s)	1					RAILTEL
112	AMC for Air-conditioning	Ls	As Required					RAILTEL
113	AMC for Access control system	No(s)	As Required					RAILTEL
114	AMC for Light illumination	Ls	As Required					RAILTEL
115	AMC for 15 Petabyte SAN/NAS/Scale Out Storage for Video data	No(s)	1					RAILTEL
116	AMC for San switch	No(s)	If Required					RAILTEL
117	AMC for 24 Port Layer 3 Network Switch	No(s)	As Required					RAILTEL
118	AMC for Key Management Solution	No(s)	As Required					RAILTEL
119	AMC for SIEM	No(s)	As Required					RAILTEL
120	AMC for Thread Management Solution	No(s)	As Required					RAILTEL
121	AMC for Web Application Firewall	No(s)	As Required					RAILTEL
122	AMC for Firewall	No(s)	1					RAILTEL
123	AMC for Compute Virtualization and Management Solution	Ls	As Required					RAILTEL
124	AMC for Network and Security Virtualization	Ls	As Required					RAILTEL
125	AMC for UPS as per appropriate capacity with 30 mins backup	No(s)	1					RAILTEL
126	Network bandwidth charges	PA	1					RAILTEL
127	Recurring Electricity Charges	Ls	1					RAILTEL
128	Miscellaneous item	Ls	As Required					RAILTEL
	Safety Islands							
132	AMC for 8 Port Industrial Grade Managed network switches at each Junction Box / Weather-proof enclosure (PoE)	No(s)	30					RAILTEL
133	AMC for UPS with batteries	No(s)	30					RAILTEL
134	AMC for illumination	Ls	30					RAILTEL
135	AMC for Weather-proof enclosure for ECB	No(s)	30					RAILTEL
136	AMC for Junction Box	No(s)	30					RAILTEL
137	Network bandwidth charges	PA	30					RAILTEL
138	Recurring Electricity Charges	No(s)	30					RAILTEL
139	Miscellaneous item	Ls	As Required					RAILTEL
	GIS							
146	AMC for GIS server	No(s)	1					RAILTEL
147	AMC for Single monitor workstation (27" monitor)	No(s)	11					RAILTEL
148	AMC for Antivirus licenses for workstation	No(s)	11					RAILTEL
149	Miscellaneous item	Ls	As Required					RAILTEL
	Disaster Recovery Centre							
153	AMC for Back-up Software	Ls	As Required					RAILTEL
156	AMC for Server for Back-up software	Ls	As Required					RAILTEL
157	AMC for Disaster Recovery Management tool	Ls	As Required					RAILTEL
158	AMC for Video Management Server	No(s)	As Required					RAILTEL
159	AMC for Database Server	No(s)	As Required					RAILTEL
160	AMC for Web Server	No(s)	As Required					RAILTEL
161	AMC for Antivirus, Syslog & EMS Server	No(s)	As Required					RAILTEL
162	AMC for Antivirus Software with all required License	No(s)	As Required					RAILTEL
163	AMC for EMS application and its licenses	No(s)	As Required					RAILTEL
164	AMC for Equipment Rack	No(s)	As Required					RAILTEL
165	AMC for 6 Petabyte SAN/ NAS/ Scale Out Storage for Video data	No(s)	1					RAILTEL
166	AMC for SAN switch	Ls	As Required					RAILTEL
167	AMC for 24 Port Layer 3 Network Switch	Ls	As Required					RAILTEL
168	AMC for Core switch	No(s)	As Required					RAILTEL
169	AMC for Core Router	No(s)	As Required					RAILTEL
170	AMC for Compute Virtualization and Management Solution	Ls	As Required					RAILTEL
171	AMC for Network and Security Virtualization	Ls	As Required					RAILTEL
172	AMC for Web Application Firewall	No(s)	As Required					RAILTEL
173	AMC for Firewall	No(s)	As Required					RAILTEL
174	AMC for UPS as per appropriate capacity with 30 mins backup	No(s)	1					RAILTEL
175	Network bandwidth charges	PA	1					RAILTEL
176	Recurring Electricity Charges	Ls	1					RAILTEL
177	Miscellaneous item	Ls	As Required					RAILTEL
	TOTAL OPEX COST OF PHASE-1 (in INR – Values)							
	TOTAL OPEX COST OF PHASE-1 (in INR – Words)							

[illegible]

[illegible]

Annexure: 8.2.6 Financial Bid Format – Capex of Phase 3

Component for Dial 100 System								RESPONSIBILITY
S.No.	Description	UoM	QTY	Unit Rate	GST %	GST Amount	Total with Tax	
			A	B	D	E = A X B X D	F = (A X B) + E	
1	Database server	No(s)	As Required					RAILTEL
2	Server for AVLS Database Application	No(s)	As Required					RAILTEL
3	Application Server	No(s)	As Required					RAILTEL
4	SAN Storage 40TB	No(s)	1					RAILTEL
5	FC SAN Switch	No(s)	If required					RAILTEL
6	Network Load balancer	Ls	If required					RAILTEL
7	Workstations with 2 Monitors	No(s)	100					RAILTEL
14	Call Centre Software	Ls	As Required					RAILTEL
15	Voice Logger Software	Ls	As Required					RAILTEL
16	Reporting Software	Ls	As Required					RAILTEL
17	Server for software (Call Centre, Voice Logger,Reporting)	No(s)	As Required					RAILTEL
21	Server for Location Detection System Software	Ls	As Required					RAILTEL
23	IP EPABX System	Ls	As Required					RAILTEL
24	Servers for IP EPABX	Ls	As Required					RAILTEL
25	IP Phone with Headsets	No(s)	100					RAILTEL
26	Antivirus for workstation	No(s)	100					RAILTEL
27	Antivirus Endpoint Security for Servers	No(s)	As Required					RAILTEL
28	UPS with 30 mins backup	Ls	1					RAILTEL
29	Emergency Notification System	Ls	As Required					RAILTEL
30	PRI	No(s)	10					RAILTEL
31	Miscellaneous Item (4 Nos of 4K 65" screen, Tie metal type, PVC industrial tie, MS flexible conduit, fabrication required (if any), minor civil work etc)).	Ls	1					RAILTEL
TOTAL CAPEX COST OF PHASE-3 (in INR – Values)								
TOTAL CAPEX COST OF PHASE-3 (in INR – Words)								

Annexure: 8.2.7 Financial Bid Format – Opex of Phase 3 for 5 y

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Annexure: 8.2.8 Financial Bid Format – Manpower cost for Phase 1, 2, 3

Sl. No.	Description	Number of resources	Monthly Unit Rate inclusive of taxes	Months of deployment	Cost for Year 1
1	Project Manager				
2	Surveillance Solution Architect				
3	Network Engineer				
4	IT Engineer				
5	Engineer (surveillance)				
6	Technician				
7	Commissioning Engineer				
8	Document Specialist				
9	Project Coordinator				
10	Helpdesk Engineer				
11	Others				
Total Manpower Cost during Year 1					

Sl. No.	Description	Number of resources	Monthly Unit Rate inclusive of taxes	Months of deployment	Cost for Year 2
1	Project Manager				
2	Surveillance Solution Architect				
3	Network Engineer				
4	IT Engineer				
5	Engineer (surveillance)				
6	Technician				
7	Commissioning Engineer				
8	Document Specialist				
9	Project Coordinator				
10	Helpdesk Engineer				
11	Others				
Total Manpower Cost during Year 2					

Sl. No.	Description	Number of resources	Monthly Unit Rate inclusive of taxes	Months of deployment	Cost for Year 3
1	Project Manager				
2	Surveillance Solution Architect				
3	Network Engineer				
4	IT Engineer				
5	Engineer (surveillance)				
6	Technician				
7	Commissioning Engineer				
8	Document Specialist				
9	Project Coordinator				
10	Helpdesk Engineer				
11	Others				
Total Manpower Cost during Year 3					

Sl. No.	Description	Number of resources	Monthly Unit Rate inclusive of taxes	Months of deployment	Cost for Year 4
1	Project Manager				
2	Surveillance Solution Architect				
3	Network Engineer				
4	IT Engineer				
5	Engineer (surveillance)				
6	Technician				
7	Commissioning Engineer				
8	Document Specialist				
9	Project Coordinator				
10	Helpdesk Engineer				
11	Others				
Total Manpower Cost during Year 4					

Sl. No.	Description	Number of resources	Monthly Unit Rate inclusive of taxes	Months of deployment	Cost for Year 5
1	Project Manager				
2	Surveillance Solution Architect				
3	Network Engineer				
4	IT Engineer				
5	Engineer (surveillance)				
6	Technician				
7	Commissioning Engineer				
8	Document Specialist				
9	Project Coordinator				
10	Helpdesk Engineer				
11	Others				
Total Manpower Cost during Year 5					

Sl. No.	Description	Number of resources	Monthly Unit Rate inclusive of taxes	Months of deployment	Cost for Year 6
1	Project Manager				
2	Surveillance Solution Architect				
3	Network Engineer				
4	IT Engineer				
5	Engineer (surveillance)				
6	Technician				
7	Commissioning Engineer				
8	Document Specialist				
9	Project Coordinator				
10	Helpdesk Engineer				
11	Others				
Total Manpower Cost during Year 6					

Sl. No.	Description	Number of resources	Monthly Unit Rate inclusive of taxes	Months of deployment	Cost for Year 7
1	Project Manager				
2	Surveillance Solution Architect				
3	Network Engineer				
4	IT Engineer				
5	Engineer (surveillance)				
6	Technician				
7	Commissioning Engineer				
8	Document Specialist				
9	Project Coordinator				
10	Helpdesk Engineer				
11	Others				

Sl. No.	Description	Number of resources	Monthly Unit Rate inclusive of taxes	Months of deployment	Cost for Year 7
Total Manpower Cost during Year 7					