

## State Wide Connectivity (IT)

Name of Project	State Wide Connectivity (IT)												
Project Location	State Headquarter and 33 Districts headquarters												
Approx. Project cost	INR 100 crore (~USD 15.485 million)												
Focus sector	IT & ITES												
Status of approvals	New Project												
Project contours	Keeping in view the Sustainable Development Goals, GoA envisages bridging major gap areas in last mile IT connectivity.												
Investment Opportunities	<p>Last mile connectivity to around 75000 Govt institutions including schools and colleges, in a phased manner, majorly by 2022</p> <p>Last mile Connectivity to 26000 villages from the GP in a phased manner majorly to be completed by 2022</p> <p>At the Govt. institution level, the bandwidth projection is projected as follows:</p> <table border="1"> <thead> <tr> <th>S No</th> <th>Category of Govt. office</th> <th>Bandwidth Requirement</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>State Secretariat</td> <td>1 GB</td> </tr> <tr> <td>2</td> <td>Directorates</td> <td>300 Mb</td> </tr> <tr> <td>3</td> <td>Offices at district and sub district level</td> <td>100 Mb</td> </tr> </tbody> </table> <p>At the citizen level, assuming 80 lac households by 2030, and 1 Gbps per household, the bandwidth requirement is projected at 8 Ptbs, say 10Petabyte/sec.</p> <p>To provide OFC back-haul for mobile service providers</p> <p>Creation of redundancy at all level DHQ, BHQ, GP etc.</p> <p>Augmenting and replacing equipment for vertical connectivity</p> <p>Operation and maintenance of PoPs, vertical and horizontal connectivity</p> <p>Provide community Wi-Fi internet service across, hotspots so that entire community has access to high speed Broadband till 2025</p> <p>Each last mile connection can have upto 5 cables of 12 core each, as such the bandwidth can be scaled upto 60 GB. GPON (Gigabyte Ethernet Passive Optical Fiber Network) technology to be used for maximum utility.</p>	S No	Category of Govt. office	Bandwidth Requirement	1	State Secretariat	1 GB	2	Directorates	300 Mb	3	Offices at district and sub district level	100 Mb
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Proposed Infrastructure	Requirement of water and power will be facilitated by the Government.												
Nodal agency	Assam Electronics Development Corporation Ltd. (AMTRON)												