

**Samagra Shiksha, Department of School Education, Government of
Tamil Nadu**

**Expression of Interest [EoI] is called from Telecom Service Providers
(TSPs) / Internet Service Providers (ISP - Class A) for the Selection of
Firms to provide-Speed Internet to Government Schools across Tamil
Nadu**

Samagra Shiksha is an Integrated Scheme for School Education aimed at ensuring inclusive and equitable quality education for Classes 1 – 12. Samagra Shiksha subsumes three existing schemes, viz., Sarva Shiksha Abhiyan (SSA), Rashtriya Madhyamik Shiksha Abhiyan (RMSA) and Teacher Education (TE). The main outcomes of the Scheme are envisaged as Universal Access, Equity, Quality and strengthening of Teacher Education Institutions (TEIs).

Context

In this EoI, the State Project Director (hereinafter referred to as the “Authority”) seeks to invite responses from firms for providing Internet Services at Government schools across Tamil Nadu.

The schools are being upgraded with Smart Classrooms and Hi-Tech Labs. Schools in some cases already possess a 5 or 6 Mbps Internet Leased Line facility, while in others it is being added.

- Each school will also have a Hi-Tech Lab. This is a computer lab with about 10-20 computers (thin-clients), a local server, and an SD-WAN device (SD-WAN not enabled). An **SD-WAN device (FWF – 30E, Fortinet)** is available in the schools with a High-Tech Lab.
- The Hi-Tech labs are being used for:
 - o Conducting online assessment exams;
 - o Online training for students/ teachers using videos/ live streaming by teachers;
 - o E-Library for students (Audio/ Video/ PDF);
 - o Digital Content (Audio/ Video/ PDF) & learning tools that are pushed from the Command Control Centre (Chennai) to Schools;
 - o Schools access the Education Management Information System – EMIS portal that is maintained in Chennai for all schools/ students/ teachers related activities.
- A Smart Classroom is a Classroom with a Smart Board where content will be relayed in the Classroom. This content will include videos, photographs, and text-based inputs. One Smart Classroom for every 5 Classrooms is being created in this first year. The Smart Classrooms will be used to deliver teaching content to the students.
- Over holidays, they may also be extended to external entities as a revenue generation opportunity. The Smart Classrooms and the Hi-Tech Labs may

also be used to conduct video conferences with the leadership of the School Education Department occasionally.

Terms of Reference:

1. In the schools across Tamil Nadu, adequate bandwidth is to be provided with a minimum network uptime requirement of 99% and 98% respectively.
 - a. *With the above input (and any other input that may be required), the Bidders shall respond with their proposed estimation of bandwidth required in the Schools.*
2. The service provider should suggest the most optimal means of providing the necessary bandwidth at the schools based on the existing infrastructure/ need for the up-gradation of infrastructure. The necessary additional infrastructure that may be required should also be prescribed.
3. The bandwidth enhancement should either complement/ replace the existing vendor's bandwidth being provided. The Bidder shall respond with a recommendation on the same, the technical aspects/ pros and cons of either.
4. The router/ access media should be scalable to support up to 100 Mbps bandwidth without change of hardware/ software for any future augmentation of the service provided.
5. Provider should provide centralised portal access to the Authority and to the Authority's nominated representatives for performance review and monitoring of link uptime/ downtime, bandwidth utilisation, etc., in real time and historical visualisation. All necessary EMIS reports shall be made available by the service provider to the Authority. The portal should allow service requests to be raised for the affected links.
6. The contract period shall be for 5 years. However, depending on the performance of the successful bidder; the Authority may contain der extension of the contract on mutually agreed terms for a further period of 02 years thereafter. The contract will include installation, maintenance, troubleshooting, and hand-over.
7. The bidders shall propose their delivery schedule to make the services available as per requirement, from the date of issue of the work order.
8. The following Quality of Service (QoS) parameters are expected to be adhered to:

Parameter	Expected Minimum QoS <i>(Bidders may prescribe more stringent QoS and will be given a preference for the same)</i>
Port availability	99% for ICCC and 98% for endpoint fields calculated on monthly basis.
Committed Information Rate (CIR)	100%
Packet Loss	Less than equal to 1%.

Round trip latency across the globe	Round trip latency to the various locations across the globe viz. New York, San Jose, London, and Singapore shall be < milliseconds.
Round trip latency within India	It should be <150 milliseconds. The round-trip latency will be measured online by the tool provided by the service provider.
Average packet loss on the internet link	It should be less than equal to 1%. It shall be measured by computing the per cent packet loss of 1000 pings (with acknowledgement for each previous packet received) of 64 bytes each. This confirmed packet loss is the measurement of packet loss from department gateway router in ICCC to the router of Internet backbone Tier 1 ISP in USA/Europe/Asia-Pac and for measurement of packet loss to locations inside India – from Department gateway router in ICCC Data Center to the router of ISP's backbone router in India.

9. On **network interruptions**, complaints shall be logged by the Authority (or any individual associated with the Authority) as per the mutually agreed call registration process. The downtime shall start immediately expiry of the maximum permitted initial response time, which shall need to be proposed by the bidders at Major locations and other locations. Please fill Annexure 1b for this.

10. **Planned Downtime:** There shall be a provision for planned maintenance activity in the service providers' network for which the service provider shall inform the department at least 5 working days in advance. The maximum window for such maintenance shall not exceed 8 hours in six months with a single block not exceeding 4 hours at a stretch. The downtime period taken for the planned maintenance activity shall be made available only during off-peak hours and as advised by the department. The downtime period taken for planned maintenance activity shall not be reckoned for calculating the Uptime availability of the services.

The Authority hereby invites Expression of Interest (EOI) for providing internet services to government schools with the above-mentioned terms of reference. Interested parties are required to submit a detailed proposal in the template in Annexure 1.

To clarify the initial doubts of the Bidders, a pre-EoI discussion meeting will be held on 6-July-2022 at 11 AM. All bidders are invited to send in their queries by 4-July-2022 (11 AM) and the same shall be responded to. The meeting will be held online and offline. The online meeting link will be made available online on 05/07/2022 by 5 PM.

Based on the submission of EOI, the firms shall be shortlisted and invited to submit their proposals. The Authority may, if required, limit the call for responses to the Request for Proposal only to shortlisted firms, based on their technical ability demonstrated. The Authority may also choose to empanel multiple vendors to provide services in different districts/ blocks

based on their existing network availability and strength of existing deployment.

In case of any clarifications/ doubts/ gaps in the response submitted, the Authority reserves the right to seek additional clarifications from the bidders/ call them for discussions.

The EoIs must be submitted through sealed envelopes addressed to:

State Project Director,
Samagra Shiksha Office,
DPI Campus, College Road,
Nungambakkam, Chennai,
Tamil Nadu – 600 006.

on or before 27- July-2022 and before 2:00 PM.

Annexure 1a: Format for submission of the response to Expression of Interest

Sl. No.	Parameter	Response		
1	Name of Bidder			
2	Address of Bidder			
3	Bidder should be a Telecom Service Provider (TSPs) / Internet Service Provider (ISP - Class A)	Choose one option and submit relevant proof: 1) Telecom Service Provider 2) Internet Service Provider (Class A)		
4	Key business verticals of the Bidder	-		
5	Audited revenues and profit after tax of the Bidder (Rs. in crore).	Year	Revenue (Rs. in crore)	Profit (Rs. in crore)
		FY 20-21		
		FY 19-20		
		FY 18-19		
6	No. of States in which the service provider is providing internet services to government departments through a centralised contract at the State level. (Do not include details of connections obtained at the local level by each school/ office)			
7	The existing infrastructure of the Bidder in each of the districts in Tamil Nadu to be able to provide internet services.	(Please respond as per the template in Annexure 3).		
8	The detailed schematics of the proposed architecture for providing internet services.	If additional space is required to demonstrate solutions district wise, please use additional pages and provide the Annexure number in this cell.		
9	The proposed timelines and delivery schedule			

Sl. No.	Parameter	Response	
	from the date of issue of Work Order (T ₀).		
10	The technical specifications of the proposed architecture include the equipment required and other digital infrastructural prerequisites.		
11	The list of queries that require clarification and response from Samagra Shiksha (along with a tentative response)		
12	Single point of contact of the bidder	Name	
		Designation	
		E-mail	
		Phone Number / Mobile Number	
		Whether the individual can be contacted to provide inputs to the Authority on technical and commercial matters	Yes / No
13	Profile of Project Manager proposed to head this project (provide a detailed CV as per Annexure 2)	<i>Provide a 50-word summary here:</i>	
14	Project exclusions (please clearly specify the components of work that are not proposed to be included)		
15	SLAs proposed for handling complaints/ system faults/ down-time/ planned down time, etc.		
16	Proposed team deployment across the state that can be mobilised if required (provide district wise	<i>Response to be provided in Annexure 3.</i>	

Sl. No.	Parameter	Response
	details). Response to be provided in Annexure 3 (last column)	
17	Internet Feasibility Survey across the locations provided by the department	<i>Response to be provided in Annexure 5.</i>

Annexure 1b: Table for providing a response to clause 9

Sl. No.	Type of Link	The maximum permitted initial response time	The maximum permitted restoration time
1	Major Locations		
2	Other School Locations		

Annexure 2: CV of Project Manager

1.	Proposed position			
2.	Name of staff	[First] [Middle] [Surname]		
3.	Date of birth			
4.	Profile Brief (in 50-75 words)			
5.	Nationality			
6.	Educational Qualifications			
7.	Membership in Professional Organizations & Publications			
8.	Countries of Work Experience			
9.	Languages	Language	Proficiency (Good/ Fair/ Poor)	
			Speaking	Reading Writing
		English		
		Tamil		
10.	Employment Record	Name of the Organization	Position held	Duration
				YYYY to present
11.	Previous Relevant work experience that best illustrates capability to handle the task assigned	[Among the assignments in which the staff has been involved, indicate the following information for those assignments that best illustrate staff capability to handle the tasks assigned] Project No. 1 Name of assignment or project: Project start and end date: Location: Client: Designation of the project: Project Cost: Main project features: Role of Staff on the project:		
		Project No. 2 Name of assignment or project: Project start and end		

		date: Location: Client: Designation of the project: Project Cost: Main project features: Role of Staff on the project:
		Project No. 3 Name of assignment or project: Project start and end date: Location: Client: Designation of the project: Project Cost: Main project features: Role of Staff on the project:
		Project No. 4 Name of assignment or project: Project start and end date: Location: Client: Designation of the project: Project Cost: Main project features: Role of Staff on the project:
12.	I hereby certify that all the information provided in this CV is true and correct to the best of my knowledge and belief. I also give consent to my CV being included in this project.	
13.	Signature of candidate Date: Place:	

Annexure 3: Existing infrastructure available in Districts

(Vendors providing Information about a minimum of 30 Districts across the state will alone be considered for d for the next level of evaluation)

Sl. No.	District	Existing Infrastructure	Access Points/ Minimum assured bandwidth available	No of users already in the network	Average bandwidth load from 9:00 AM to 5:00 PM	Average Peak Bandwidth Load and its time duration	Proposed Team Deployment (Qn. No. 16)
1							
2							
3							
4							
5							
6							
7							

Annexure 4: Indicative components of pricing

(The financial bid template in the RfP will be designed using these formats)

Bidders are not required to specify ANY financial quotes/ rates in this template. Only the components of payment are required to be included.

(Please add as many rows as required.)

Sl. No.	Component	Whether One – Time or Recurring	If Recurring, frequency	Any other points to be brought to the notice of the Authority
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				

Annexure 5: Internet Feasibility Survey across the locations provided by the department

Table for providing a response to clause 17

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggested Connection Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
1	ARIYALUR	Andimadam	33160800102						
2	ARIYALUR	Ariyalur	33160700103						
3	ARIYALUR	Jayankondam	33160900104						
4	ARIYALUR	Sendurai	33160500104						
5	ARIYALUR	T.Palur	33160100206						
6	ARIYALUR	Thiurmanur	33161000202						
7	CHENNAI	Adyar	33020900209						
8	CHENNAI	Egmore	33020700907						
9	CHENNAI	George town	33020100208						
10	CHENNAI	Mylapore	33021000101						
11	CHENNAI	Perambur	33020400301						
12	CHENNAI	Periamedu	33020300311						
13	CHENNAI	Purasaiwalkkam	33020500733						
14	CHENNAI	Royapuram	33020201104						
15	CHENNAI	T.Nagar	33020800102						
16	CHENNAI	Triplicane	33020600205						
17	COIMBATORE	Anaimalai	33120700603						
18	COIMBATORE	Annur	33121500107						
19	COIMBATORE	Coimbatore city	33120103004						

¹ Choose from the following categories or specify your own: 1 -1 ILL by Fiber-optic Connection/ 1 -1 ILL by RF Connection/ Broad Band through Fiber-optic connection/ Broad Band through Mobile connection/ others – please specify.

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggested Connection Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
20	COIMBATORE	Karamadai	33121700111						
21	COIMBATORE	Kinathukkadavu	33120900103						
22	COIMBATORE	Madukkarai	33120200104						
23	COIMBATORE	Periyanaickan Palayam	33120300104						
24	COIMBATORE	Perur	33120400115						
25	COIMBATORE	Pollachi north	33121101004						
26	COIMBATORE	Pollachi south	33121200502						
27	COIMBATORE	Sarkar Samakkulam	33120500423						
28	COIMBATORE	Sulthanpet	33122000203						
29	COIMBATORE	Sulur	33122100103						
30	COIMBATORE	Thondamuthur	33120600108						
31	COIMBATORE	Valparai	33121400186						
32	CUDDALORE	Annagrammam	33180200802						
33	CUDDALORE	Bhuvanagiri	33181100102						
34	CUDDALORE	Cuddalore	33180100102						
35	CUDDALORE	Kammapuram	33180900102						
36	CUDDALORE	Kattumannarkoil	33181400806						
37	CUDDALORE	Keerapalayam	33181200104						
38	CUDDALORE	Kumaratchi	33181300204						
39	CUDDALORE	Kurinjipadi	33180500105						
40	CUDDALORE	Mangalore	33180800203						
41	CUDDALORE	Nallur	33180701204						
42	CUDDALORE	Panruti	33180300104						
43	CUDDALORE	Parangipettai	33181000803						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggested Connection Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
44	CUDDALORE	Virudhachalam	33180600503						
45	DHARMAPURI	Dharmapuri	33050100302						
46	DHARMAPURI	Harur	33050800102						
47	DHARMAPURI	Karimangalam	33050500902						
48	DHARMAPURI	Morappur	33050601302						
49	DHARMAPURI	Nallampalli	33050200102						
50	DHARMAPURI	Palacode	33050400102						
51	DHARMAPURI	Pappireddipatti	33050700402						
52	DHARMAPURI	Pennagaram	33050300902						
53	DINDIGUL	Athoor	33130100106						
54	DINDIGUL	Batlagundu	33130200205						
55	DINDIGUL	Dindigul - Rural	33130300111						
56	DINDIGUL	Dindigul -Urban	33131500105						
57	DINDIGUL	Gujiliamparai	33130400206						
58	DINDIGUL	Kodaikanal	33130500210						
59	DINDIGUL	Natham	33130600107						
60	DINDIGUL	Nilakottai	33130700405						
61	DINDIGUL	Oddanchathram	33130800206						
62	DINDIGUL	Palani - Rural	33130900510						
63	DINDIGUL	Palani - Urban	33131600504						
64	DINDIGUL	Reddiyarchatram	33131000203						
65	DINDIGUL	Sanarpatty	33131100107						
66	DINDIGUL	Thoppampatty	33131200108						
67	DINDIGUL	Vadamadurai	33131300206						
68	DINDIGUL	Vedasandur	33131400109						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggested Connection Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
69	ERODE	Ammapettai-Erode	33100100209						
70	ERODE	Anthiyur	33100200105						
71	ERODE	Bhavani	33100300316						
72	ERODE	Bhavani sagar	33100400501						
73	ERODE	Chennimalai	33100500110						
74	ERODE	Erode	33100700201						
75	ERODE	Gobi	33100800505						
76	ERODE	Kodumudi	33101000105						
77	ERODE	Modakurichi	33101200110						
78	ERODE	Nambiyur	33101400508						
79	ERODE	Perundurai	33101500105						
80	ERODE	Sathiyamangalam	33101600107						
81	ERODE	Thalavady	33101700202						
82	ERODE	Thuckanaicken Palayam	33101800504						
83	KANCHEEPURAM	Acharapakkam	33031001102						
84	KANCHEEPURAM	Chithamur	33031300202						
85	KANCHEEPURAM	Kancheepuram	33030100105						
86	KANCHEEPURAM	Kattankolathur	33030700103						
87	KANCHEEPURAM	Kundrathur	33030500207						
88	KANCHEEPURAM	Lathur	33031200107						
89	KANCHEEPURAM	Madurantagam	33031100202						
90	KANCHEEPURAM	Sriperumbudur	33030400104						
91	KANCHEEPURAM	St.Thomas Mount(Rural)	33031400104						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggested Connection Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
92	KANCHEEPURAM	St.Thomas Mount(Urban)	33030901804						
93	KANCHEEPURAM	Thirukalukundram	33030801002						
94	KANCHEEPURAM	Thiruporur	33030600402						
95	KANCHEEPURAM	Uthiramerur	33030300603						
96	KANCHEEPURAM	Walajabad	33030200403						
97	KANNIYAKUMARI	Agastheeswaram	33300200108						
98	KANNIYAKUMARI	Killiyoor	33300800105						
99	KANNIYAKUMARI	Kurunthancode	33300400105						
100	KANNIYAKUMARI	Melpuram	33300700110						
101	KANNIYAKUMARI	Munchirai	33300900107						
102	KANNIYAKUMARI	Rajakkamangalam	33300300104						
103	KANNIYAKUMARI	Thiruvattar	33300600106						
104	KANNIYAKUMARI	Thovalai	33300100103						
105	KANNIYAKUMARI	Thuckalay	33300500106						
106	KARUR	Aravakurichi	33140300105						
107	KARUR	K.Paramathi	33140400202						
108	KARUR	Kadavoor	33140600105						
109	KARUR	Karur	33140100207						
110	KARUR	Krishnarayapuram	33140500106						
111	KARUR	Kulithalai	33140700814						
112	KARUR	Thanthoni	33140200106						
113	KARUR	Thogaimalai	33140800108						
114	KRISHNAGIRI	Bargur	33311200504						
115	KRISHNAGIRI	Hosur	33311500602						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggested Connection Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
116	KRISHNAGIRI	Kaveripatinam	33311100202						
117	KRISHNAGIRI	Kelamangalam	33311600203						
118	KRISHNAGIRI	Krishnagiri	33311000102						
119	KRISHNAGIRI	Mathur	33311800402						
120	KRISHNAGIRI	Shoolagiri	33311400302						
121	KRISHNAGIRI	Thally	33311700403						
122	KRISHNAGIRI	Uthangarai	33310900102						
123	KRISHNAGIRI	Veppanapalli	33311301102						
124	MADURAI	Alanganallur	33240100106						
125	MADURAI	Chellampatti	33240200305						
126	MADURAI	Kallikudi	33240300103						
127	MADURAI	Kottampatti	33240500102						
128	MADURAI	Madurai East	33240600603						
129	MADURAI	Madurai North	33241415509						
130	MADURAI	Madurai West	33240700803						
131	MADURAI	Melur	33240800202						
132	MADURAI	Sedapatti	33240900101						
133	MADURAI	T.kallupatti	33240400103						
134	MADURAI	T.vadipatti	33241300104						
135	MADURAI	Thirumangalam	33241000104						
136	MADURAI	Thiruparamkundram	33241100102						
137	MADURAI	Usilampatti	33241200107						
138	NAGAPATTINAM	Keezhaiyur	33190400105						
139	NAGAPATTINAM	Kelvelur	33190300304						
140	NAGAPATTINAM	kollidam	33191100905						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggested Connection Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
141	NAGAPATTINAM	Kuthalam	33190900202						
142	NAGAPATTINAM	Mayiladudurai	33190700206						
143	NAGAPATTINAM	Nagapattinam	33190100103						
144	NAGAPATTINAM	Sembanarkoil	33190800103						
145	NAGAPATTINAM	Sirkali	33191000602						
146	NAGAPATTINAM	Thalainayar	33190500101						
147	NAGAPATTINAM	Thirumarugal	33190200103						
148	NAGAPATTINAM	Vedaranyam	33190600107						
149	NAMAKKAL	Elachipalayam	33091300206						
150	NAMAKKAL	Erumapatti	33090400202						
151	NAMAKKAL	Kabilarmalai	33091500502						
152	NAMAKKAL	Kollihills	33090200303						
153	NAMAKKAL	Mallasamudram	33091200602						
154	NAMAKKAL	Mohanur	33090300403						
155	NAMAKKAL	Namagiripet	33090900105						
156	NAMAKKAL	Namakkal	33090100205						
157	NAMAKKAL	Pallipalayam	33091100116						
158	NAMAKKAL	Paramathi	33091400106						
159	NAMAKKAL	Puduchatram	33090600208						
160	NAMAKKAL	Rasipuram	33090700104						
161	NAMAKKAL	Sendamangalam	33090500110						
162	NAMAKKAL	Tiruchengode	33091000103						
163	NAMAKKAL	Vennandur	33090800104						
164	PERAMBALUR	Alathur	33160600104						
165	PERAMBALUR	Perambalur	33160400105						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggest ed Connec tion Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
166	PERAMBALUR	Veppanthattai	33160300204						
167	PERAMBALUR	Veppur	33160200304						
168	PUDUKKOTTAI	Annavasal	33220200103						
169	PUDUKKOTTAI	Aranthangi	33221100103						
170	PUDUKKOTTAI	Arimalam	33221000302						
171	PUDUKKOTTAI	Avudaiyarkoil	33221300102						
172	PUDUKKOTTAI	Gandarvakkottai	33220400604						
173	PUDUKKOTTAI	Karambakkudi	33220700702						
174	PUDUKKOTTAI	Kunnandarkoil	33220100303						
175	PUDUKKOTTAI	Manamelkudi	33221200202						
176	PUDUKKOTTAI	Ponnamaravathy	33220900308						
177	PUDUKKOTTAI	Pudukkottai	33220500506						
178	PUDUKKOTTAI	Thirumayam	33220800103						
179	PUDUKKOTTAI	Thiruvarankulam	33220600204						
180	PUDUKKOTTAI	Viralimalai	33220300705						
181	RAMANATHAPURAM	Bogalur	33270401002						
182	RAMANATHAPURAM	Kadaladi	33270800702						
183	RAMANATHAPURAM	Kamuthi	33270603002						
184	RAMANATHAPURAM	Mandapam	33271100405						
185	RAMANATHAPURAM	Mudukulathur	33270700402						
186	RAMANATHAPURAM	Nainarkoil	33270501002						
187	RAMANATHAPURAM	Paramakudi	33270300102						
188	RAMANATHAPURAM	Rajasingamangalam	33270200404						
189	RAMANATHAPURAM	Ramanathapuram	33270900402						
190	RAMANATHAPURAM	Thiruppullani	33271001802						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggested Connection Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
191	RAMANATHAPURAM	Thiruvadanai	33270101602						
192	SALEM	Attur	33081300105						
193	SALEM	Ayothiyapattinam	33081400502						
194	SALEM	Cuddalore	33180100102						
195	SALEM	Edappadi	33081200205						
196	SALEM	Gangavalli	33080100104						
197	SALEM	Kadayampatti	33080300310						
198	SALEM	Kolathur	33081500206						
199	SALEM	Konganapuram	33080500205						
200	SALEM	Magundanchavadi	33080400208						
201	SALEM	Mecheri	33081600104						
202	SALEM	Nangavalli	33081100106						
203	SALEM	Omalur	33081700103						
204	SALEM	Panamarathupatti	33080600105						
205	SALEM	Pethanaickenpalayam	33080200103						
206	SALEM	Salem-Rural	33080900103						
207	SALEM	Salem-Urban	33082100607						
208	SALEM	Sankari	33081800113						
209	SALEM	Thalaivasal	33080700103						
210	SALEM	Tharamangalam	33081000108						
211	SALEM	Valappadi	33081900405						
212	SALEM	Veerapandi	33080800102						
213	SALEM	Yercaud	33082001512						
214	SIVAGANGAI	Devakottai	33230600105						
215	SIVAGANGAI	Iiayankudi	33230501501						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggest ed Connec tion Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
216	SIVAGANGAI	Kalayarkoil	33230201302						
217	SIVAGANGAI	Kallal	33231200104						
218	SIVAGANGAI	Kannangudi	33230700104						
219	SIVAGANGAI	Manamadurai	33230300304						
220	SIVAGANGAI	S.Pudur	33231100802						
221	SIVAGANGAI	Sakkottai	33230800202						
222	SIVAGANGAI	Singampunari	33231000110						
223	SIVAGANGAI	Sivagangai	33230100102						
224	SIVAGANGAI	Thiruppur	33230900206						
225	SIVAGANGAI	Thiruppuvanam	33230400109						
226	THANJAVUR	Ammapettai-TNJ	33210900307						
227	THANJAVUR	Budalur	33210400202						
228	THANJAVUR	Kumbakonam	33210701604						
229	THANJAVUR	Madukkur	33211300204						
230	THANJAVUR	Orathanadu	33210500103						
231	THANJAVUR	Papanasam	33210800902						
232	THANJAVUR	Pattukkottai	33211200104						
233	THANJAVUR	Peravurani	33211400303						
234	THANJAVUR	Sethubavachatram	33211501002						
235	THANJAVUR	Thanjavur(Rural)	33210200703						
236	THANJAVUR	Thanjavur(Urban)	33210102104						
237	THANJAVUR	Thiruppanandal	33211100103						
238	THANJAVUR	Thiruvaiyar	33210300603						
239	THANJAVUR	Thiruvidaimarudhur	33211000802						
240	THANJAVUR	Thiruvonam	33210600103						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggested Connection Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
241	THE NILGIRIS	Coonoor	33110200209						
242	THE NILGIRIS	Gudalur	33110400119						
243	THE NILGIRIS	Kotagiri	33110100810						
244	THE NILGIRIS	Udhagamandalam	33110100201						
245	THENI	Aundipatty	33250100106						
246	THENI	Bodinayakanur	33250200304						
247	THENI	Chinnamanur	33250300118						
248	THENI	Cumbum	33250400206						
249	THENI	Myladumparai	33250500102						
250	THENI	Periyakulam	33250600102						
251	THENI	Theni	33250700202						
252	THENI	Uthamapalayam	33250800405						
253	THOOTHUKKUDI	Alwarthirunagar	33280403402						
254	THOOTHUKKUDI	Karunkulam	33280200303						
255	THOOTHUKKUDI	Kayathar	33280900903						
256	THOOTHUKKUDI	Kovilpatti	33280800903						
257	THOOTHUKKUDI	Ottapidaram	33281000606						
258	THOOTHUKKUDI	Pudur	33281200105						
259	THOOTHUKKUDI	Sathankulam	33280700707						
260	THOOTHUKKUDI	Srivaikundam	33280303502						
261	THOOTHUKKUDI	Thiruchenthur	33280500102						
262	THOOTHUKKUDI	Thoothukudi Rural	33281301207						
263	THOOTHUKKUDI	Thoothukudi Urban	33280101201						
264	THOOTHUKKUDI	Udangudi	33280605409						
265	THOOTHUKKUDI	Vilathikulam	33281102602						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggested Connection Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
266	TIRUCHIRAPPALLI	Andhanallur	33150100202						
267	TIRUCHIRAPPALLI	Lalgudi	33150200406						
268	TIRUCHIRAPPALLI	Manapparai	33150500108						
269	TIRUCHIRAPPALLI	Manikandam	33150400115						
270	TIRUCHIRAPPALLI	Mannachanallur	33150300102						
271	TIRUCHIRAPPALLI	Marungapuri	33150600205						
272	TIRUCHIRAPPALLI	Musiri	33150700202						
273	TIRUCHIRAPPALLI	Pullambadi	33150800102						
274	TIRUCHIRAPPALLI	Thathiengarpet	33151400105						
275	TIRUCHIRAPPALLI	Thiruverumbur	33151100102						
276	TIRUCHIRAPPALLI	Thottiyam	33151200308						
277	TIRUCHIRAPPALLI	Thuraiyur	33151300304						
278	TIRUCHIRAPPALLI	TIRUCHIRAPPALLI	33150203802						
279	TIRUCHIRAPPALLI	Trichy-Urban	33150901305						
280	TIRUCHIRAPPALLI	Trichy-West	33151002706						
281	TIRUCHIRAPPALLI	Uppiliyapuram	33151500106						
282	TIRUCHIRAPPALLI	Vaiyampatti	33151600108						
283	TIRUNELVELI	Alangulam	33290103507						
284	TIRUNELVELI	Ambasamudram	33290202903						
285	TIRUNELVELI	Cheranmahadevi	33290301306						
286	TIRUNELVELI	Kadayam	33290400404						
287	TIRUNELVELI	Kadayanallur	33290500402						
288	TIRUNELVELI	Kalakad	33290600402						
289	TIRUNELVELI	Keelapavoor	33290702306						
290	TIRUNELVELI	Kuruvikulam	33290804103						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggest ed Connec tion Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
291	TIRUNELVELI	Manur	33290900606						
292	TIRUNELVELI	Melaneelithanallur	33291002312						
293	TIRUNELVELI	Nanguneri	33291101407						
294	TIRUNELVELI	Palay-Rural	33291200105						
295	TIRUNELVELI	Palay-Urban	33292003702						
296	TIRUNELVELI	Pappakudi	33291301702						
297	TIRUNELVELI	Radhapuram	33291401507						
298	TIRUNELVELI	Sankarankovil	33291500507						
299	TIRUNELVELI	Shenkottai	33291600108						
300	TIRUNELVELI	Tenkasi	33291700709						
301	TIRUNELVELI	Tirunelveli Urban	33292100501						
302	TIRUNELVELI	Valliyoor	33291800115						
303	TIRUNELVELI	Vasudevanallur	33291900411						
304	TIRUPPUR	Avinaci	33121600307						
305	TIRUPPUR	Dharapuram	33100600103						
306	TIRUPPUR	Gangayam	33100900103						
307	TIRUPPUR	Gundadam	33101100202						
308	TIRUPPUR	Kudimangalam	33120800105						
309	TIRUPPUR	Madathukulam	33121000104						
310	TIRUPPUR	Moolanur	33101301704						
311	TIRUPPUR	Palladam	33121800306						
312	TIRUPPUR	Pongalur	33121900308						
313	TIRUPPUR	Tirupur	33122200208						
314	TIRUPPUR	Udumalaipattai	33121300102						
315	TIRUPPUR	Uthukuli	33101900106						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggested Connection Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
316	TIRUPPUR	Vellackoil	33102000124						
317	TIRUVALLUR	Ellapuram	33010400102						
318	TIRUVALLUR	Gummidipoondi	33010800403						
319	TIRUVALLUR	Kadambathur	33010300403						
320	TIRUVALLUR	Minjur	33010600103						
321	TIRUVALLUR	Pallipat	33011300803						
322	TIRUVALLUR	Poonamallee	33010500304						
323	TIRUVALLUR	Poondi	33010200102						
324	TIRUVALLUR	Puzhal	33011000605						
325	TIRUVALLUR	R.K.Pet	33011400103						
326	TIRUVALLUR	Sholavaram	33010700103						
327	TIRUVALLUR	Thiruvallangadu	33011200103						
328	TIRUVALLUR	Thiruvallur	33010101302						
329	TIRUVALLUR	Tiruttani	33011100702						
330	TIRUVALLUR	Villivakkam	33010900403						
331	TIRUVANNAMALAI	Anakkavur	33060300101						
332	TIRUVANNAMALAI	Arni	33060700301						
333	TIRUVANNAMALAI	Chengam	33061600503						
334	TIRUVANNAMALAI	Chetpet	33061100804						
335	TIRUVANNAMALAI	Cheyyar	33060200703						
336	TIRUVANNAMALAI	Jawadhu Hills	33061800402						
337	TIRUVANNAMALAI	Kalasapakkam	33061000101						
338	TIRUVANNAMALAI	Kilpennathur	33061300606						
339	TIRUVANNAMALAI	Peranamallur	33060400301						
340	TIRUVANNAMALAI	Polur	33060900301						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggest ed Connec tion Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
341	TIRUVANNAMALAI	Pudupalayam	33061500402						
342	TIRUVANNAMALAI	Thandrampet	33061700903						
343	TIRUVANNAMALAI	Thellar	33060601002						
344	TIRUVANNAMALAI	Thurinjapuram	33061200102						
345	TIRUVANNAMALAI	Tiruvannamalai	33061400203						
346	TIRUVANNAMALAI	Vandavasi	33060500501						
347	TIRUVANNAMALAI	Vembakkam	33060100402						
348	TIRUVANNAMALAI	West Arni	33060800102						
349	TIRUVARUR	Koradachery	33200301802						
350	TIRUVARUR	Kottur	33200800802						
351	TIRUVARUR	Kudavasal	33200200103						
352	TIRUVARUR	Mannargudi	33200601303						
353	TIRUVARUR	Muthupettai	33201000103						
354	TIRUVARUR	Nannilam	33200400104						
355	TIRUVARUR	Needamangalam	33200700304						
356	TIRUVARUR	Thiruthuraiipoondi	33200900602						
357	TIRUVARUR	Thiruvarur	33200500104						
358	TIRUVARUR	Valangaiman	33200100502						
359	VELLORE	Alangayam	33041800304						
360	VELLORE	Anaicut	33040900403						
361	VELLORE	Arakkonam	33040100108						
362	VELLORE	Arcot	33040600119						
363	VELLORE	Gudiyatham	33041500103						
364	VELLORE	Jolarpet	33042000304						
365	VELLORE	K.V.Kuppam	33041400103						

Sl.	District	Block_name	UDISE_code	Latitude & longitude	Suggested Connection Type¹	Maximum Bandwidth for 24x7 (Mbps)	Average Bandwidth for 24x7 (Mbps)	Availability of service (%)	Avg. Packet Loss (%)
366	VELLORE	Kandhili	33042200106						
367	VELLORE	Kaniyambadi	33041100202						
368	VELLORE	Katpadi	33041300405						
369	VELLORE	Kaveripakkam	33040300107						
370	VELLORE	Madhanur	33041700304						
371	VELLORE	Natrampalli	33041900107						
372	VELLORE	Nemili	33040200402						
373	VELLORE	Pernambut	33041600101						
374	VELLORE	Sholingar	33040400510						
375	VELLORE	Thirupattur	33042100107						
376	VELLORE	Timiri	33040700606						
377	VELLORE	Vellore Rural	33040900302						
378	VELLORE	Vellore Urban	33041000138						
379	VELLORE	Walaja East	33040600117						
380	VELLORE	Walaja West	33040404805						
381	VILLUPURAM	Chinnasalem	33071800202						
382	VILLUPURAM	Gingee	33070200108						
383	VILLUPURAM	Kallakurichi	33071700105						
384	VILLUPURAM	Kanai	33070800103						
385	VILLUPURAM	Kandamangalam	33071100102						
386	VILLUPURAM	Koliyanur	33071000103						
387	VILLUPURAM	Mailam	33070500102						
388	VILLUPURAM	Marakkanam	33070600102						
389	VILLUPURAM	Melmalayanur	33070100102						
390	VILLUPURAM	Mugaiyur	33071200502						

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391	VILLUPURAM	Olakkur	33070400802						
392	VILLUPURAM	Rishivanthiyam	33071600202						
393	VILLUPURAM	Sankarapuram	33071500108						
394	VILLUPURAM	Thirukoilur	33071300302						
395	VILLUPURAM	Thirunavalur	33072200602						
396	VILLUPURAM	Thiruvennainallur	33071400202						
397	VILLUPURAM	Thiyagadurgam	33071900405						
398	VILLUPURAM	Ulundurpet	33072100204						
399	VILLUPURAM	Vaanur	33070700102						
400	VILLUPURAM	Vallam	33070300802						
401	VILLUPURAM	Vikaravandi	33070900502						
402	VILLUPURAM	Viluppuram	33072400404						
403	VIRUDHUNAGAR	Aruppukottai	33260100504						
404	VIRUDHUNAGAR	Kariyapatti	33260300202						
405	VIRUDHUNAGAR	Narikudi	33260501002						
406	VIRUDHUNAGAR	Rajapalayam	33260600108						
407	VIRUDHUNAGAR	Sattur	33261100102						
408	VIRUDHUNAGAR	Sivakasi	33260900107						
409	VIRUDHUNAGAR	Srivilliputhur	33260700906						
410	VIRUDHUNAGAR	Thiruchuli	33260400403						
411	VIRUDHUNAGAR	Vembakottai	33261000205						
412	VIRUDHUNAGAR	Virudhunagar	33260201505						
413	VIRUDHUNAGAR	Watrap	33260800606						