



Request for Quotation For Dedicated Bandwidth

Date: 20-10-2016

Address:

Andhra Pradesh State FiberNet Limited
Plot No.5, 6, 15 & 16, KKR Square, Kavuri Hills, Phase-I, Jubilee Hills,
Hyderabad 500 033

Web address: www.apsfl.in

Email address: apsfl@ap.gov.in

Background

AP State FiberNet Limited (APSFL) has been incorporated under the Companies Act, 2013 in the month of October, 2015. It is a fully owned entity of the Government of AP under the control of Energy, Infrastructure & Investment (E,I&I) Department. This Corporation is responsible for undertaking the works of AP Fibergrid, its operations & maintenance and business activities duly partnering with various stakeholders for the benefit of all.

VISION

“ To establish a highly scalable network infrastructure, accessible on a non-discriminatory basis, to provide on demand, affordable and end-to-end broadband connectivity of 15 Mbps for ALL households and 100 Mbps for ALL institutions & Multi-Dwelling Units by 2018, to enable realization of the Vision of Digital AP, in partnership with the Government of India and the private sector”.

AP Fiber Grid is the means through which the vision of Hon'ble Chief Minister, Sri N.Chandrababu Naidu to make available highly qualitative and affordable digital services (data, voice and video etc..) to households, Government Offices and private agencies on demand in the State of AP. This endeavor can truly turn the State of AP as Digital AP in the direction of realizing the dream of Digital India. APSFL aims to promote Digital inclusiveness by providing affordable, high-speed broadband connectivity to households, deepening the reach of Internet in the rural areas. It throws up immense possibilities for enhancing the quality of life of the people. The services from AP Fibergrid system can effectively be utilized in education, health, agriculture and allied sectors and also open up new vistas in e-governance and enables delivering citizen-centric services in an efficient and transparent way.

1.RFQ Notice

AP State FiberNet Limited (APSFL) requires 1STM (1:1) with a provisioning for upgrading up to 10GBPS at NOC located in Andhra University, Vishakapatnam

1	Issue of RFQ	20/10/2016
3	Last date of receipt of quotations	30/10/2016
4	Address for Communication	Plot No.5, 6, 15 & 16, KKR Square, Kavuri Hills, Phase-I, Jubilee Hills, Hyderabad 500 033.
5	Contact Phone Numbers	040-23391162/63/65
6	Fax Number	040-23391164
7	Reference No.	APSFL/ Dedicated Bandwidth/37/2016

2.Introduction

Under A.P.Fiber Grid Phase-I, the Government has set up a state-wide high speed Optical Fiber Network Infrastructure across the 13 Districts of the State leveraging the assets of the Electricity Department. A 24-Core ADSS Optical Fiber Cable has been laid for a length of 23000 kms over the electrical poles with its back-end electronic systems being set up at the Points of Presence (PoPs) at 2445 identified sub-stations.

The services from AP Fiber Grid which include broadband connectivity, IPTV and telephony, are planned to be delivered to the end-users in partnership with the Multi System Operators (MSOs) and Local Cable Operators (LCOs) etc. by suitably partnering with them.

3. Scope of work

1. The Connection should be provided on Fiber Last mile from two different paths for establishing a redundant network.
2. The Access capacity should be 10Gbps (1:1) and handoff will be 10G LANPHY
3. SLA for the link to be 99.6%
4. Link to be delivered within 10 days from the date of Purchase Order
5. The proposed link should be terminated at t NOC, AU Campus, Visakhapatnam.
6. Full routing table shall be supported.
7. Shall provide link status reports on monthly basis.
8. Shall provide single SPOC for attending any service related support.
9. Shall be able to provide upgradation of the bandwidth within 24hrs of initiation. Similarly in case of down gradation one month notice shall be given.
10. Rack space required for placing SP's equipment may be provided in our NOC at Visakhapatnam.
11. Initially APSFL will be placing order for 1STM (1:1) and will be upgraded in multiples of STMs.

4. Eligibility Criteria

1. The Service Provider shall have Class A ISP license to provide the service
2. SP/ consortium member shall have their own operating landing station in India
3. SP/ consortium member shall have at least 5 international Internet PoPs across the globe.
4. SP/ consortium member shall have at least 5 peering partners
5. SP Infrastructure shall support DDOS detection & mitigation services
6. Last mile diversity – TX Atlantic / TX Pacific
7. SP/ consortium member shall own at least one under sea submarine cable system.

5. Location

The Network Operations Centre of APSFL, 1st Floor, Counseling Centre, Andhra University Campus, Visakhapatnam.

6. Deliverables

1. Service Provider shall provide dedicated Bandwidth (1:1). The link to be delivered within 48 hours from the date of Purchase order.
2. Service Provider shall adhere to Service Level Agreement and MOU for SLA shall be entered with APSFL.
3. The Service Provider shall provide last mile connectivity to NOC (both routes) underground and aerial to have a reliable redundant network within two weeks from the date of Purchase Order.
4. The Upgradation of bandwidth shall be provided within 10 days from date of intimation. Incase of downgradation one month notice shall be given.
5. The access capacity shall be upgraded to access capacity equal to bandwidth capacity with 10G LANPHY handoff. The upgradation of access capacity shall also be 10days from date of intimation.
6. Full routing table shall be supported and periodical reports shall be submitted.
7. The SP should proactively monitor provide link (end-to-end) and register the complaints for any issue in the network online.
8. The SP should submit the monthly report w.r.t all SLA parameters to APSFL.
9. The SP should provide online portal access for bandwidth utilization, uptime/downtime and all other SLA parameters.
10. The SP should be able to provide online portal access for bandwidth utilization, uptime/downtime and all other SLA parameters.

7. SLA Parameters

The Service Provider will have to enter into SLA with APSFL adhering to following parameters and The SLA would be applicable during the hiring/contract period of the connectivity, starting

from the date of commissioning of the INTERNET connectivity. The commissioning certificate shall be issued by APSFL.

S.No	Link Availability - Penalty 24X7	
1	>=99.6%	Nil
2	99.6% to >= 98.6	1.5% of the QGR Value
3	98.6% to >= 97.6	3.5% of the QGR Value
4	97.6% to >= 96.6	5.5% of the QGR Value
5	96.6% to >= 95.6	7.5% of the QGR Value
6	95.6% to >= 94.6	10 % of the QGR Value
7	94.6% to >= 93.6	12.5 % of the QGR Value
8	93.6% to >= 92.6	15 % of the QGR Value
9	92.6% to >= 91.6	17.5 % of the QGR Value
10	91.6% to >= 90.6	20 % of the QGR Value
11	90.6% to >= 89.6	22.5 % of the QGR Value
12	89.6% to >= 88.6	25 % of the QGR Value
13	88.6% to >= 87.6	27.5 % of the QGR Value
14	87.6% to >= 86.6	30 % of the QGR Value
15	86.6% to >= 85.6	32.5 % of the QGR Value
16	85.6% to >= 84.6	35 % of the QGR Value
17	84.6% to >= 83.6	37.5 % of the QGR Value
18	83.6% to >= 82.6	40 % of the QGR Value
19	82.6% to >= 81.6	42.5 % of the QGR Value
20	81.6% to >= 80.6	45 % of the QGR Value
21	Less than 80.6%	No Payment

8. Quotation Format

QUOTATION FORMAT		
S.No	Description	Cost in Rs.
a	1STM dedicated Bandwidth	Charges per Annum
b	2STM dedicated Bandwidth	Charges per Annum
c	4STM dedicated Bandwidth	Charges per Annum
d	1Gbps	Charges per Annum
e	2Gbps	Charges per Annum
f	5Gbps	Charges per Annum
g	10Gbps	Charges per Annum

- The rates quoted shall be inclusive of all taxes and duties applicable as on date.
- These rates shall be as per rates based on the usage.
- The rates shall be maintained for a period of 12months-validity
- Termination of the contract with 3months notice.

9. Payment Terms

Payment shall be made by APSFL to the Service Provider quarterly on per link basis after completion of every quarter along with the certificate from authorized authority.

An invoice along with the certified SLA parameters shall be submitted for release of payment.

The bills raised by the Service Provider for the dedicated bandwidth would be paid by APSFL only after the following conditions are satisfied:

1. The service provider shall provide the last mile connectivity to NOC (both routes) underground and aerial to have a reliable redundant network.
2. The service provide shall enter SLA with APSFL
3. Submission of commencement of services certificate from the authorized signatory.