



RFP for Procurement of Dedicated Bandwidth

Ref. No. APSFL/ Dedicated Bandwidth/36/2016, Dated 09/08/2018

Andhra Pradesh State FiberNet Limited

NTR Administrative Block, 3rd Floor, Pandit Nehru Bus Station,

Vijayawada - 520013

Web address: www.apsfl.in

Email address: apsfl@ap.gov.in

1. Introduction

Andhra Pradesh State FiberNet Limited (APSFL) has been incorporated under the Companies Act 2013 in October 2015, to undertake the works of AP Fiber Grid, its operations & maintenance and related business activities. It is a fully owned entity of the Government of AP under the control of Energy, Infrastructure & Investment (E, I&I) department. APSFL aims to provide high quality & affordable digital services to households, government departments and enterprises across the State.

Fiber Grid is one of the 5 Grids identified by the Government of Andhra Pradesh to accelerate socio-economic growth of the State. Fiber Grid is primarily aimed at harnessing the power of information resource and enabling provision of qualitative and cost-effective IT, Communication (data, voice & video) and other related services to the citizens of A.P.

Vision of AP Fiber Grid is as follows:

“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 1 to 10 Gbps for institutions & multi-dwelling units by 2018, to enable realization of the Vision of Digital Andhra Pradesh, in partnership with the Government of India and Private Sector.” In line with the vision, a dual phased approach has been undertaken to deliver the project mandate in AP.

Phase I – Aerial Fiber Grid Network will create an aerial fiber network up-to Mandal level by leveraging assets of Electricity companies.

Phase II - Aerial Fiber network covering the entire State up to Gram Panchayats level.

Phase I of the Project (Aerial Fiber grid project), APSFL has established state-wide high speed optical fiber network infrastructure covering approximately 23,000 kms route across the 13 districts of Andhra Pradesh through 2449 PoPs being operated and controlled from Network Operations Centre (NOC) setup in Vishakhapatnam. Phase I project components include laying aerial optical Fiber across the State up to mandal level, so that the State, District, Zonal and Mandals are connected with each other using ring topology as much as possible. In addition, the last mile connectivity is to be made available through a network of MSOs/ LCOs.

In this regard, APSFL invites proposals from Internet Service Providers (ISP) for providing Bandwidth.

2. RFP Notice

Andhra Pradesh State FiberNet Limited (APSFL) invites sealed bids from the prospective Internet service providers for providing the dedicated bandwidth. Selected bidder(s) should support APSFL in providing reliable service delivery.

Sl.No.	Description	Details
.	Name of the Authority	Andhra Pradesh State FiberNet Limited
.	Name of the Assignment	RFP for procurement of dedicated bandwidth
.	TENDER Number	APSFL/Dedicated Bandwidth /36/2016, Dated 09/08/2018
.	TENDER Publishing Date	09/08/2018
.	Last date and time for submission of quotations (Due Date)	14/08/2018 at 3:00 PM The sealed bids to be submitted at APSFL Office
.	Date and time of opening of proposals.	14/07/2018 at 4:00 PM Andhra Pradesh State FiberNet Limited NTR Administrative Block, 3rd Floor, Pandit Nehru Bus Station, NH -65, Vijayawada - 520013 Web address: www.apsfl.in Email address: apsfl@ap.gov.in
.	Date and time of opening of financial bid	Shall intimate technically qualified agencies at a later date
.	Bid Processing Fee (Non-refundable)	INR 20,000 (INR Twenty thousand Only) in the form of Demand Draft issued by one of the Nationalized / Scheduled Banks in India drawn in favour of Andhra Pradesh State FiberNet Ltd' , payable at Vijayawada. Original DD must be submitted in APSFL office at Vijayawada before proposal due date.
.	For any enquiries and clarifications, please contact:	Executive Director –Technical, Andhra Pradesh State FiberNet Limited NTR Administrative Block, 3rd Floor, Pandit Nehru Bus Station, Vijayawada - 520013 Web address: www.apsfl.in Email: edt.apsfl@ap.gov.in
0.	Validity of the Proposal	Bidder proposals shall remain valid for a period of 180 days from the Proposal due date.
1.	Method of Selection	L1

3. Scope of work

1. The Connection should be provided on Underground 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 99.98%
4. Link to be delivered within 10 days from the date of Purchase Order
5. The proposed links should be terminated at
 - NOC, Visakhapatnam
 - DHQ, Vijayawada
 - DHQ, Tirupati
6. Full routing table shall be supported.
7. Shall provide 10,000 ipv4 addresses.
8. Shall provide link status reports on monthly basis.
9. Shall provide single SPOC for attending any service related support.
10. 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.
11. Rack space required for placing SP's equipment may be provided in our NOC at Visakhapatnam.

4. Eligibility Criteria

The Service Provider should have Class A ISP license to provide the service

5. Locations

- The Network Operations Centre of APSFL, Visakhapatnam.
- District Head Quarters of APSFL, Tirupati
- District Head Quarters of APSFL, Vijayawada

6. Deliverables

1. Service Provider shall provide dedicated Bandwidth (1:1). The link to be delivered within 10 days 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. In case of down gradation 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.
9. The SP should be able to provide online portal access for bandwidth utilization, uptime/downtime and all other SLA parameters.
10. Shall provide 10,000 ipv4 addresses.

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	>=99.98%	Nil
2	99.98% to >= 98.98	1.5% of the QGR Value
3	98.98% to >= 97.98	3.5% of the QGR Value
4	97.98% to >= 96.98	5.5% of the QGR Value
5	96.98% to >= 95.98	7.5% of the QGR Value
6	95.98% to >= 94.98	10 % of the QGR Value
7	94.98% to >= 93.98	12.5 % of the QGR Value
8	93.98% to >= 92.98	15 % of the QGR Value
9	92.98% to >= 91.98	17.5 % of the QGR Value
10	91.98% to >= 90.98	20 % of the QGR Value
11	90.98% to >= 89.98	22.5 % of the QGR Value
12	89.98% to >= 88.98	25 % of the QGR Value
13	88.98% to >= 87.98	27.5 % of the QGR Value
14	87.98% to >= 86.98	30 % of the QGR Value
15	86.98% to >= 85.98	32.5 % of the QGR Value

16	85.98% to >= 84.98	35 % of the QGR Value
17	84.98% to >= 83.98	37.5 % of the QGR Value
18	83.98% to >= 82.98	40 % of the QGR Value
19	82.98% to >= 81.98	42.5 % of the QGR Value
20	81.98% to >= 80.98	45 % of the QGR Value
21	Less than 80.98%	No Payment

8. Price Bid Format

S.No	Description	Cost in INR per Year in Visakhapatnam	Cost in INR per Year in Vijayawada	Cost in INR per Year in Tirupati
.	1Gbps			
.	2Gbps			
.	5Gbps			
.	8Gbps			
.	10Gbps			
Total in INR				
Total in INR (words)				

Note

- Supply to designated locations within AP as informed by APSFL.
- Unit Rate shall include all duties, levies, insurance, transport and other charges excluding Taxes.
- The Bidder offering the **Lowest Total Cost (Exclusive of Taxes)** will be considered for award of contract for a period of 2 years and may be extended on mutually agreed terms.
- If there is a discrepancy between words and figures, the amount in words shall prevail.
- For additional procurement if any, the prices quoted for the mentioned items would be considered as discovered prices valid for the 2 years period.
- Quantities indicated herein are for price discovery, actual requirement could be more or less.
- **Order will not be placed for full quantity in a single order. Rather order will be placed based on the actual requirement from time to time during the contract period.**

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.