



## **Request For Quotations**

**for**

## **Supply of Splicing Machines**

**Ref. No. APSFL/Spares / Splicing/342/2019-20/01, Dated 23/11/2020**

Andhra Pradesh State FiberNet Limited

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

Vijayawada - 520013

Web address: [www.apsfl.in](http://www.apsfl.in)

Email address: [apsfl@ap.gov.in](mailto:apsfl@ap.gov.in)



Andhra Pradesh State FiberNet Limited (APSFL) invites sealed quotations from the prospective agencies for supply of the splicing machines.

The following are the specifications for the required splicing machines:

### **Fusion Splicer Machine-A-81S**

➤ **Features:**

- A-81S optical fiber welding machine.
- Chinese and English bilingual switch, manual in English.
- Demolition of three-in-one universal fixture (pigtail, bare fiber, leather line).
- Core alignment, 7-9 seconds welding, 9-26 seconds heating (heating time can be set, the heating temperature can be adjusted).

➤ **Specifications:**

Fiber alignment: Precise alignment/cladding alignment / fiber core alignment

- Splicing time: 9S

- Heating time: 26S (configurable heating time and adjustable heating temperature)

- Applicable Fibers: SM (G.652&G.657), MM (G.651), DS (G.653), NZDS(G.655)and self-defined optical fiber types

- Splice Loss: 0.02dB(SM),0.01dB(MM) 0.04dB(DS/NZDS)

- Return loss: Better than 60DB

- Fiber diameter:

Cladding Diameter: 80-150μm

Coating Diameter: 100-1000μm

- Fiber Cleave Length:

Coating less than 250μm:8-16mm

Coating less than 250-1000μm:16mm

- Tension Test: Standard 2N

- Fiber holders: 3 in 1 fiber holder, SM, MM, bare fiber, pigtail, rubber-insulated, multi fiber cable

- Magnification: 300 for X or Y view

- Screen: 5 inch TFT color display

- Heat shrink bush: 60mm/40mm and series of miniature bush

- Splicing loss storage: 5000 latest splicing results are stored in the built-in storage

- Rechargeable type, charging time ≤ 3.5 hours, continuous splicing and heating about 200 times

- Power supply: Input AC100-240V 50 / 60HZ, output DC13.5V / 4A, the current power mode can be identified, real-time detection of battery power

- Operating Conditions:

Temperature -15 ~ +50 °C, humidity: <95% RH (no condensation)

Working altitude: 0 ~ 5000m. Resist max. Wind speed: ≤ 15m / s

- Weight: 1906g

- Size: 205mm\*140\*123\*

(To be submitted by agency on original letterhead)

To

Date:

The Managing Director,  
Andhra Pradesh State FiberNet Limited,  
3rd Floor, NTR Administrative Block,  
Pandit Nehru Bus Station,  
NH – 65, Vijayawada – 520013

**Subject: Quotation for Splicing machines for AP Fiber Grid Project**

S.No	Description	Qty	Unit cost (Rs.)	Total Cost (Rs.)
1.	Splicing Machine	20		
Total in INR (words)				

**Note**

- Unit Rate shall include all duties, levies, insurance, transport and other charges excluding Taxes.
- If there is a discrepancy between words and figures, the amount in words shall prevail.

**APSFL reserves the right to**

1. Modify, reduce or increase the quantity requirements to an extent of the tendered quantity
2. APSFL may place the repeat order based on the requirement.
3. APSFL reserves its right to withhold any amount for the deficiency in the service aspect of the ordered items supplied.

(Signature, name and designation of the authorized signatory)

It is requested to submit the quotation to the APSFL corporate office, Vijayawada on or before 4:00PM, 30.11.2020