



Request for Quotation (RFQ)

For

RFQ for Preventive Maintenance of Shelter AC Units and Earthing Systems at BBNL Phase-II Master Mandal Shelters

Ref. No-APSFL/Shelter PM Activity /73/2026, Dt: 17.03.2026

Andhra Pradesh State FiberNet Limited

Infosight Building, 2nd floor, NH-16 Service Road,

Tadepalli, Guntur, AP-522501

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Disclaimer

The information contained in this Request for Quotation document (“**RFQ**”) including any information subsequently provided to the supplier (“**Supplier/s**”) verbally or in documentary form by Andhra Pradesh State FiberNet Ltd. (APSFL) or any of its employees or advisors, shall at all times be subject to the terms and conditions set out in this document (as may be amended only by APSFL from time to time).

The purpose of this RFQ is to provide the supplier or any other person with information to formulate their quotes (“**Bid**”). This RFQ includes statements, which reflect various assumptions and assessments arrived at by APSFL in relation to this scope. This RFQ document does not purport to contain all the information each supplier may require. This RFQ document may not be appropriate for all persons, and it is not possible for the Managing Director, APSFL and their employees or advisors to consider the objectives, technical expertise and particular needs of each supplier. The assumptions, assessments, statements and information contained herein are made considering the intended objectives of the project, and may not be complete, accurate or adequate. Each supplier must therefore conduct their own analysis of the information contained in this RFQ and seek professional advice from appropriate sources.

Information provided in this RFQ document to the supplier is on a wide range of matters, some of which may depend upon the interpretation of the law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. APSFL accepts no responsibility for the accuracy or otherwise for any interpretation of opinion on law expressed herein.

APSFL, their employees and advisors make no representation or warranty and shall incur no liability to any person, including the supplier under law, statute, rules or regulations or tort, the principles of restitution or unjust enrichment or otherwise for any loss, cost, expense or damage which may arise from or be incurred or suffered on account of anything contained in this RFQ or otherwise, including the accuracy, reliability or completeness of the RFQ, and any assessment, assumption, statement or information contained therein or deemed to form part of this RFQ or arising in any way in the selection process as part of this RFQ.

APSFL also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any supplier upon the statements contained in this RFQ. APSFL may in its absolute discretion, but without being under any obligation to do so, can amend or supplement the information in this RFQ.

The issue of this RFQ document does not imply that APSFL is bound to select a supplier/agency or to appoint the selected supplier/agency (as defined hereinafter), for supporting the implementation of the project. APSFL reserves the right to reject all or any of the Supplier or Bids without assigning any reason whatsoever.

The supplier shall bear all the costs associated with or relating to the preparation and submission of proposal pertaining to this RFQ including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by. All

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such costs and expenses will remain with the supplier and APSFL shall not be liable in any manner whatsoever for the same, regardless of the conduct or outcome of the selection process.

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1. Introduction

1.1 Invitation to Quote

Andhra Pradesh State FiberNet Limited (APSFL), a fully-owned entity of the Govt. of Andhra Pradesh (AP), having its Registered Office at Infosight Building, 2nd floor, NH-16 Service Road, Tadepalli, Guntur, AP-522501, India, invites responses to this Request For Quotation (“RFQ”) from interested agencies for Preventive Maintenance of Shelter AC Units and Earthing Systems at BBNL Phase-II Master Mandal Shelters.

The selected agency has to support APSFL in smooth execution of the project across the state of AP as per scope of work.

Agencies are advised to study this RFQ carefully before submitting the proposals in response to the RFQ. Submission of a quote in response to this RFQ shall be deemed to have been done after careful study and examination of this document with the full understanding of its terms, conditions and implications.

“Agencies shall submit their quotations by email to apsfl@ap.gov.in on or before 24.03.2026.”

2. Project Background

Andhra Pradesh State FiberNet Limited (APSFL) is implementing high-speed broadband connectivity across the State under the AP Fiber Grid Project and BharatNet initiatives. As part of BharatNet Phase-II, Master Mandal shelters have been established at various locations to house critical telecom and network equipment required for delivering broadband services to rural and urban areas.

These shelters are equipped with industrial Air Conditioning (AC) units and earthing systems to maintain appropriate environmental conditions and ensure the safe and reliable operation of telecom infrastructure. Proper functioning of these systems is essential to prevent equipment failure, overheating, and electrical hazards.

To ensure uninterrupted operation and longevity of the infrastructure, APSFL proposes to undertake Preventive Maintenance (PM) of Shelter AC Units and Earthing Systems, along with one-time restoration of faulty spares at BBNL Phase-II Master Mandal Shelters co-located at APSFL Phase-I Zonal POP locations across the State.

In this regard, APSFL intends to engage a qualified agency through this Request for Quotation (RFQ) to carry out the preventive maintenance and restoration works.

3. Project Type

Preventive Maintenance Work for Air Conditioning (AC) Units and Earthing Systems installed at BBNL Phase-II Master Mandal Shelters co-located at APSFL Phase-I Zonal POP locations. The project also includes one-time restoration of faulty spares if required to ensure reliable operations.

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4. Scope of work

The selected agency shall carry out Preventive Maintenance (PM) of Shelter Air Conditioning (AC) Units and Earthing Systems along with One-time Restoration of Faulty Spares if required at BBNL Phase-II Master Mandal Shelters across the State.

The detailed scope of work shall include, but is not limited to, the following:

a) Preventive Maintenance of Shelter AC Units

The agency shall perform preventive maintenance of industrial AC units installed in shelters, which includes:

- General servicing of indoor and outdoor units.
- Gas top-up up to 1 KG per AC unit, wherever required.
- Inspection and rectification of rat cutting damages in wiring and insulation.
- Checking of voltage levels, electrical connections, and short-circuit issues, and carrying out necessary rectification.
- Inspection of indoor and outdoor capacitors and replacement/rectification wherever required.
- Checking and rectification of internal wiring up to 5 meters.
- Cleaning of filters, coils, and ensuring proper airflow and cooling performance.
- Any other minor servicing required for proper functioning of the AC units.

b) One-Time Restoration of AC Unit Spares (if required)

The agency shall carry out one-time restoration of faulty components identified during the visit. The indicative spares include:

- 3-Phase compressor
- 3-Phase contactor
- Outdoor fan motor
- Indoor fan motor
- Sub-zero display (alternate)
- Voltage monitoring relay
- Board relay
- Indoor and outdoor coil rectification
- Indoor and outdoor coil replacement
- Nitrogen (N₂) gas filling
- 3-Phase / 4-pole MCB

c) Preventive Maintenance of Earthing System

The agency shall carry out preventive maintenance of the earthing systems installed at the shelter locations, including:

- Inspection of earthing pits and earthing strips for any damages or loose connections.
- Rectification or replacement of damaged earthing strips and minor connections.
- Measurement and recording of earth resistance values using calibrated testing equipment.
- Ensuring that the earthing resistance is maintained at ≤ 5 Ohms.
- Refilling and watering of earthing pits to maintain proper earthing performance.

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d) One-Time Restoration of Earthing Materials (if required)

The agency shall carry out restoration works for earthing systems wherever required, including:

- Filling of charcoal and salt or chemical earthing compound (Bentonite) up to 10–15 kg per pit.
- Rectification of earthing pit components to restore proper grounding performance.

5. Site Coverage

The work shall be carried out across **37 Master Mandal Shelter locations** as listed below:

Locations List.

S No	District Name	Mandal Name	Address	Latitude	Longitude	Name of the Incharge	Mobile Number
1	Guntur	Bapatla	132 KV Bapatla SS, 522101	15.891997	80.472421	Chilaka Naveen	9381353574
2	Guntur	Narasaraopet	132KV Narasaraopet SS, 522601	16.240589	80.078473	Chilaka Naveen	9381353574
3	Guntur	Piduguralla	132KV Piduguralla SS, 522413	16.463651	79.91578	Chilaka Naveen	9381353574
4	Guntur	Tenali	132KV Tenali SS, 522201	16.23979	80.6338	Chilaka Naveen	9381353574
5	Krishna	Gudivada	Lingavaram (Gudivada zonal)220/132/33/11 kv Lingavaram village Tamirisa road Gudivada rural mandal Krishna-521327	16.469945	81.009857	Tulam Ramanjaneyulu	9121101445
6	Krishna	Nuzvid	Nuzvidu: 33/11kv substation Nuzvidu RR Peta, H junction road, Nuzvidu Nuzvidu mandal Eluru district Pin 521201	16.786536	80.859212	Tulam Ramanjaneyulu	9121101445
7	Krishna	Pamaru	132kv Substation Pamaru zonal(shelter) Pamaru mandal Krishna dist 521157	16.319606	80.970955	Tulam Ramanjaneyulu	9121101445
8	Kurnool	Adoni	33/11 KV Kallubavi Sub Station, Adoni, Kurnool district-518301	15.607785	77.267778	B. Ravi Kishor	9121101449
9	Kurnool	Atmakur	33/11 KV Nallakalva Sub Station, Atmakur Mandal, Nandyal	15.83296	78.589777	B. Ravi Kishor	9121101449

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			district-518422				
10	Kurnool	Dhone	33/11 KV Dhone Sub Station, Dhone Mandal, Nandyal district-518222	15.39360902	77.84811615	B. Ravi Kishor	9121101449
11	Kurnool	Nandyal	33/11 KV Nandyal Zonal Sub Station, Nandyal Mandal, Nandyal District-518501	15.421976	78.400732	B. Ravi Kishor	9121101449
12	Prakasam	Chirala	132 KV Chirala SS, 523155	15.79935	80.320915	Chilaka Naveen	9381353574
13	Prakasam	Darsi	132 KV Darsi SS, Darsi Mandal Prakasam District, 523247	15.790744	79.655528	Suman	9100478950
14	Prakasam	Kandukur	33/11 KV KANDUKUR RURAL, 523105	15.230018	79.897492	Suman	9100478950
15	Prakasam	Kanigiri	132/33 KV Kanigiri SS, Kanigiri Mandal Prakasam District, 523230	15.398606	79.509039	Suman	9100478950
16	Prakasam	Markapur	220KV Markapur SS, Markapuram Mandal Prakasam District, 523320	15.772587	79.273335	Suman	9100478950
17	West Godavari	Bhimavaram	132KV Substation, Division Office; Industrial Estate; 1 Town; Bhimavaram; Dist: West Godavari; AP-534201	16.55163789	81.54582173	Kotta Hari Prasad	9121106815
18	West Godavari	K. Kota	132KV Substation; Mandal: K.Kota; Kamavarapukota; Dist: West Godavari; AP-534449	17.00180979	81.20297539	Kotta Hari Prasad	9121106815
19	West Godavari	Nidadavole	33/11KV Substation; Near: 132KV APTRANSCO; Nidadavolu to Chagallu Road; Mandal: Nidadavolu; Nidadavolu; Dist: West Godavari; AP-534301	16.91677874	81.6736592	Kotta Hari Prasad	9121106815
20	West Godavari	Unguturu	Narayanapuram 33/11 KV Substation; Mandal: Unguturu; Narayanapuram; Dist: West Godavari; AP-534406	16.8224504	81.4160507	Kotta Hari Prasad	9121106815

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21	Anantapur	Kalyanadurgam	33/11 KV Kalyanadurgam SS,Kalyanadurgam (V),Kalyanadurgam (M),AnantapurDist-515761	14.559148	77.119427	D Ashok Kumar	9154143286
22	Anantapur	Mudigubba	33/11 KV Mudigubba SS,Mudigubba(V&M),Sri satya sai(D)-515511	14.352836	77.994430	D Ashok Kumar	9154143286
23	Anantapur	Penukonda	33/11 KV Venkatareddypalli SS,Venkatreddypalli (V),Penukonda (M),Sri Satya SaiDist-515110	14.116833	77.618476	D Ashok Kumar	9154143286
24	Chittoor	Palamaner					
25	Kadapa	Porumamilla	33/11KV Porumamilla SubStation,PORUMAMIL LA(V),PORUMAMILLA(M),Y.S.R. KADAPA-516193	14.99624132	78.98964899	Anil	7331112391
26	Kadapa	Proddatur	33/11 SS RAMESWARAM SS,RAMESWARAM(V),PRODDATUR(M),Y.S.R. KADAPA-516360	14.747542	78.543517	Anil	7331112391
27	Kadapa	Vempalle	33/11KV VEMPALLI SubStation,VEMPALLI(V),VEMPALLE(M),Y.S.R. KADAPA-516329	14.377207	78.458998	Anil	7331112391
28	Nellore	Atmakur	33/11KV Nellore Palem Sub Station-1, 524304	14.651578	79.616811	Prasanna kumar	8501882701
29	Nellore	Gudur	33/11KV Goginenipuram,Gudur(M),Tirupathi-524131	14.154457	79.826227	P Hemanth Kumar	9100849170
30	Nellore	Kavali	33/11KV Vengalarao Nagar Sub Station, 524201	14.910886	79.979853	Prasanna kumar	8501882701
31	East Godavari	Amalapuram	Amalapuram zonal,Edarapalli,Near Edarapalli bridge,Amalapuram,Pin: 533201	16.580271	81.995404	T Vijaya Kumar	8340847999
32	East Godavari	Peddapuram	Peddapuram to samlakota Highway near Rack ciramics	17.064025	82.128574	T Vijaya Kumar	8340847999
33	East Godavari	Ramachandrapuram	rcpm ss near rcpm railway station,egd,ap,533255	82.038177	01-01-2019	T Vijaya Kumar	8340847999
34	Srikakulam	Palakonda	132kv Palakonda-532440	18.595937	83.767080	Murali	9652383973

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35	Srikakulam	Tekkali	220 KV Electrical Substation Tekkali pin - 532201	18.588321	84.244578	Murali	965238397 3
36	Visakhapatnam	K.Kotapadu	33/11 KV K.Kotapadu SS, 531034	17.888056	83.041287	Karthick	818497197 1
37	Vizianagaram	Bobbili	Apepdcl 33/11 Kv Growth Center 1 Bobbili Mandal, 535573	18.581437	83.374309	Ravi	911073571 0

6. Reporting and Certification format

The agency shall submit the Preventive Maintenance Work Completion Report for each location, duly certified by the APSFL Network Engineer and PoP Engineer in the given format.

Preventive Maintenance Work Completion Report			
Location: _____			
District: _____			
Date: _____			
PM Activity:			
Sl. No	PM Activity	Completed (Yes/No)	Remarks
1	Shelter AC Unit		
2	Earthing System		
AC Unit Spare Parts Used (If Any):			
Sl. No	Spare Description	Quantity (If Spares Utilized)	Remarks
1	3-Phase Compressor		
2	3-Phase Contactor		
3	Outdoor Fan Motor		
4	Indoor Fan Motor		
5	Sub-zero Display (Alternate)		
6	Voltage Monitoring Relay		
7	Board Relay		
8	Indoor and Outdoor Coil Rectification		
9	Indoor and Outdoor Coil Replacement		
10	Nitrogen (N ₂) Gas Filling		
11	3-Phase / 4-Pole MCB		
12	Earthing One restoration carried out, including filling of charcoal/salt		
The shelter AC unit was tested for continuous operation for a duration of 5 hours and was found to be functioning satisfactorily			

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7. Milestones and delivery schedule:

Milestone	Description	No. of days
Issue of order		T
Milestone 1	Preventive Maintenance of Shelter AC Units and Earthing Systems at Master Mandals of BBNL Phase II Project at 10 locations	T+5 days
Milestone 2	Preventive Maintenance of Shelter AC Units and Earthing Systems at Master Mandals of BBNL Phase II Project at another 10 locations	T+10 days
Milestone 3	Preventive Maintenance of Shelter AC Units and Earthing Systems at Master Mandals of BBNL Phase II Project at remaining 17 locations	T+20 days

8. Payment terms:

Payment shall be released only after successful completion of the locations under each milestone, upon submission of the original tax invoice and the Preventive Maintenance Completion Report duly certified by the APSFL Network Manager and PoP Manager.

9. Quotation Format

Date:

To

The Managing Director

Andhra Pradesh State FiberNet Limited,
 Infosight Building, 2nd floor,
 NH-16 Service Road,
 Tadepalli, Guntur, AP-522501

Sub: RFQ for -----.

Ref:....., dated:.....-

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A. PM Activity (AC Units & Earthing)			
Sl. No	Description of Activity	UOM	Rate (Rs.) Excluding all taxes
1	Preventive Maintenance of Shelter Infrastructure including AC Units	37 locations	
2	Preventive Maintenance of Earthing	37 locations	
	Total (A)		
B. Cost of Spares for One-Time Restoration (AC Units)			
Sl. No	Item Description	Unit	Rate (Rs.)

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1	3-Phase Compressor	Each	
2	3-Phase Contactor	Each	
3	Outdoor Fan Motor	Each	
4	Indoor Fan Motor	Each	
5	Sub-zero Display	Each	
6	Voltage Monitoring Relay	Each	
7	Board Relay	Each	
8	Indoor / Outdoor Coil Rectification	Each	
9	Indoor / Outdoor Coil Replacement	Each	
10	N ₂ Gas Filling	Per Unit	
11	3-Phase / 4-Pole MCB	Each	
Table (B)			
C. Rate Card – One-Time Restoration (Earthing)			
Sl. No	Item Description	Unit	Rate (Rs.)
1	Filling charcoal and salt / chemical earthing compound (Bentonite) up to 10–15 KG	Per Location	
Table (C)			
Grand Total (D)= A+ B+C			

Note:

- a. The L1 shall be finalized based on the Grand Total (D) value
- b. Prices should be quoted in the provided format.
- c. All prices should be quoted in Indian Rupees and indicated in both figures and words.
- d. In case there is discrepancy between words and figures, the amount in words shall prevail.
- e. APSFL reserves the right to reject the proposal, which are not submitted in the prescribed format.
- f. APSFL reserves the right to increase or decrease the quantity.

For the Organization,(Seal & Signature)

Name:

Designation:

Date: