



Andhra Pradesh State FiberNet Limited 3rd Floor, NTR Administrative Block, Pandit Nehru Bus Station, NH 65, Vijayawada-520001, Andhra Pradesh, India.

Toll Free Number :1800 599 5555, Website: apsfl.in

INVITATION FOR EXPRESSION OF INTEREST (EOI)

FOR

Supply, Installation and Commissioning of DWDM Network Upgrade Equipment for AP Fiber Grid.

Ref: APSFL/DWDM/EOI/284/2022, Dt: 11.05.2022



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Section-I

INVITATION FOR EXPRESSION OF INTEREST (EOI)

Andhra Pradesh State FiberNet Limited 3rd Floor, NTR Administrative Block, Pandit Nehru Bus Station, NH 65, Vijayawada-520001, Andhra Pradesh, India.

Toll Free Number :1800 599 5555, apsfl@ap.gov.in

EXPRESSION of INTEREST FOR DWDM NETWORK UPGRADATION
EQUIPEMENT

APSFL, hereby invites **sealed Expression of Interest** from **eligible firms** for **Supply, Installation and Commissioning of DWDM Network Upgrade Equipment for AP FiberGrid.**

1. A **complete set of Expression of Interest documents in English** may be downloaded from our website: <https://apsfl.in/> or may be collected from Head Admn. Officer, APSFL, Vijayawada on submission of **Demand Draft** (Non-refundable); **Rs 5000/-**. DD may be drawn on a scheduled commercial Bank in India, in favour of “APSFL”, in case of downloading **EoI** document from the Institute website, the firm **must** submit respective cost of EoI document **Rs.5000/** with its EoI, otherwise **EoI** will be rejected Straight way.
2. Other detailed terms and conditions and bidding documents are available on our website: <https://apsfl.in/notifications>

Date of Start of Sale of EoI Documents	:	11/05/2022
Last date for submission of queries	:	Before 5:00PM on 17/05/2022
Last Date for Submission of Sealed EoIs	:	Before 3:00PM on 18/05/2022
Date of Opening of EoIs	:	Before 4:00PM on 25/05/2022

Introduction & Scope of Work

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 Infrastructure & Investment (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.

APSFL currently have a transmission network connecting all the districts to the network operations center (NOC), using a PSM (Protection Switching Module) protected ring with 100G capacity from NOC to each district with a 40 channel DWDM system using Cisco's NCS 2006.

Each district in APSFL network has its own zonal ring, these zonal rings have 4 -5 nodes with 100G shared bandwidth through IPoDWDM and 20G capacity from DHQ to each zonal with 40 channel DWDM system using Cisco's NCS 2006.

Scope of Work:

The OEM shall be responsible for the supply, installation and commissioning of the required DWDM Equipment to support all the existing functionality and new requirements or Integrate with existing DWDM equipment and support the new requirements which is part of the network. The OEM may choose to buy back all the existing equipment and propose altogether a completely new solution with a clear plan of the rollout strategy to have minimal service impact to the live services.

The selected OEM shall also carry out operation, support and Maintenance of Supplied equipment for a period of five years from the date of Go-live. Therefore, the OEM is advised to procure sufficient spares to maintain the up time.

The network shall be deployed over existing aerial fibre (ADSS/OPGW) network of APSFL and designed to cater to all the running services along with the new services which are part of this EOI.

1. Functional Requirements:

1. The OEM solution should make sure that each district is equipped with a dedicated capacity of at least 200G running across both DC & DR currently situated in Visakhapatnam and Tirupathi respectively.

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2. The OEM solution should make sure that at least 400G of OTN capacity is made available for district to district communication in the state ring and there should be possibility to make use of the same for inter zonal OTN traffic across districts.
3. The OEM solution should have at least 200G of OTN capacity for any zonal to zonal communication within one zonal ring with at least two alternate paths from each zonal to adjacent zonal rings of other districts.
4. The OEM solution should make sure that at least 200G Point to Point connectivity in between DC & DR.
5. The OEM solution should have capability to run services from any zonal to any other zonal in any district across the state at optical level.
6. The OEM solution should be built with WSON/ASON to provide the maximum protection for the services by making use of any of the available fiber paths to protect the traffic.

2. OTN Capacity Requirements:

1. For L1 OTN services: Minimum 10 ports with flexibility to support any of the STM-1/4/16/64, 1G/10G.
2. For L2 packet services: Minimum 10 port with 1G/10G accessible.
3. At each zonal node, OEM has to provide client ports for access of L1 and L2 services based on the above.
4. At each DHQ, OEM has to provide at least 20x10G client interfaces with preloaded 10G SR SFPs to add/drop the capacity towards the primary and secondary NOCs in addition to OTN capacity requirements mentioned above.
5. Dedicated 100G bandwidth with ASON protection (Switch within 50ms) for both DC & DR currently situated in Visakhapatnam and Tirupathi respectively. For District Headquarter shared bandwidth will be 400 G, sharing mechanism shall be based on individual OEMs solution.
6. Total Number of OTN node in District Head quarter shall be 13 nos. In between Nodes, OLA shall be placed if distance is more than Standard. In New network thirteen zonal rings shall be provisioned, those shall be interconnected with neighboring zonal ring nodes.
7. Zonal shared bandwidth will be 200 G, ring bandwidth shall be more than 50 G considering 4 nodes in one zonal ring, and it shall support both the functionality of L1 - OTN and L2 - Ethernet. Zonal to zonal direct link capacity should at least be 100G to be used for restoration of services.

3. Technical specifications:

3.1 General:

1. The equipment shall be fully compliant with ITU-T G.709 and ITU-T G.798.
2. Wavelength Grid and DWDM/OTN system should be as defined in ITU-T recommendation G.694.1, G.694.2.

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3. The solution shall support 400g transmissions over G.652, G.653 and G.655 LEAF fiber.
4. The equipment should implement synchronous multiplexing at ODUk/VC level and Ethernet synchronous.
5. SDH/OTN/Packet traffic should be aggregated into the same lambda after timeslot adaption to different ODUk channel and ODUk multiplexing.
6. The line interfaces should support the tuning of the carrier frequency or pluggable optical module on all the working channels defined in ITU-T Recommendation G.694.1.
7. The equipment should support the implementation of GMPLS (RFC 3945) and ASON (ITU-T G.8080).
8. It shall support fiber fault monitor by in line or embedded OTDR without any additional instrument.
9. The EMS and NMS of the equipment should be web based and must support OTN, DWDM transmission equipment.
10. The Proposed equipment must follow the guidelines of ETSI standards.
11. 100G Span Budget - The system shall be able to support mixed operation of 10G/100G line rates sharing the same mux/de-mux hardware as well as be upgradeable in service (without traffic interruption) to carry 100 Gbit/s channels.
12. The equipment shall support other service, such as STM-1/4/16, GE/FE, FC, FICON, ESCON, FDDI, SDI accessed by one tributary card, multiplexed into OTU2 / OTU4. The offered system shall support any-rate services such as STM64/OTU-2/10GbE, STM-1/4/16, GE/FE, FC, FICON, ESCON, FDDI, multiplexed into one OTU 2 / OTU4 channel.
13. The 100G line card shall support any mixture of ODUk (K=0,1,2,2e,3,4) granular multiplexing into ODU4.
14. The offered system shall support built-in OSNR, CD, PMD and optical monitoring for 100G channel (for example, power).
15. For the 100G OTN switch function, traffic should be groomed either by cross connection cards/cross connect on OTN card, and backplane, should not by bridge/auxiliary cards or external pigtails.
16. The network shall support mapping 10GE LAN PHY to ODU2/4.
17. The network shall support the clock transparency to Synchronous Ethernet PHY (SyncE) GE interfaces.
18. The equipment shall also support the Ethernet service L2 aggregation of FE/GE/10GE/100GE, and then mapped into ODUk(k=0,1,2,3,4,flex) to save the bandwidth

3.2 Grooming/Switching

1. The OEM shall detail the capacity of the integrated OTN switch, its granularity, and types of supported OTN tributary /lines cards (O-E-O) used for sub-lambda grooming and aggregation as well as their tune ability support.
2. The Equipment should support 6 level of TCM for transmission quality monitoring and fault locating.
3. The sub-wavelength cross connect fabric shall be based on ODUk(k=0,1,2,flex).

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4. SDH/OTN/Packet traffic should be aggregated into the same lambda after timeslot adaption to different ODUk channel and ODUk multiplexing.
5. Solution shall support STM-1, STM-4, STM-16, STM-64 ports should be structured in VC-4 based on ITU-T G.707 recommendation.
6. Equipment shall support STM-64 interfaces with ITU-T G.691 recommendation.
7. Solution shall support STM-1/4/16 optical ports with removable SFP modules based on ITU-T G.957 recommendation.

3.3 Protection

1. The Proposed Network design shall describe in detail (with diagrams) the available network level protection schemes at the optical layer (OMS, OCh) with regards to 1+1 SNC protection and 1+1 optical line protection detailing the modules used to achieve such a protection, the switching criteria, the protection range (i.e. OTU traffic module, OCh, line fiber) as well as the protection switching times.
2. The network design shall describe detailed protection schemes and switching times for a ring or meshed structure considering data traffic as a client interface. More over the design shall indicate if any of those modules are single points of failures (for example if the working and protection Transponder pair can be housed in different sub-racks).
3. The system must support ODUk SNC/N and SNC/I protection.
4. For the ODUk SNC 1+1 protection, it should be possible to configure a hold-off timer as specified in ITU-T Rec. G.798.
5. The equipment should support ODUk network restoration.
6. The equipment should implement OCh protection switching mechanisms.
7. Network shall be available and switch as per the ITU T standard until fiber path is available.
8. The equipment shall support WSON / ASON from day one with all required software and hardware

3.4 Ethernet L2 Feature

1. The solution shall support LAG (Link Aggregation Group) which can protect port with LACP (Link Aggregation Control Protocol) applied for.
2. The solution shall support DLAG (Distributed Link Aggregation Group) which can protect inter-board port with LACP (Link Aggregation Control Protocol) applied.
3. The transmission system shall give alarm or indication to router/switch to stop transmission/packet forwarding on FE/GE/10GE/100GE ports of transmission Ethernet card, if there is link down between transmission media due to fiber cut or some fault.
5. Linear protection bi-directional switching in 1:1 architecture must be supported.
6. Automatic switchover between working and protecting and vice versa shall be executed less than 50 ms.

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7. LSP and PW protection must be provided.
8. Revertive operation must be provided.
9. Non-revertive operation must be provided.
10. Lockout of protection forced switch and manual switch commands shall be supported.

3.5 Switching Fabric

1. The equipment will be equipped with one centralized fabric that performs connections at ODUk(=0, 1, 2, 3, 4, flex) level.
2. The switching fabric should be strictly non-blocking for all the implemented cross connections.
3. The switching fabric should be hot backup.
4. The equipment control and communication unit should be hot backup.
5. The switching fabric should be able to make cross connections driven by EMS/NMS, control plane and resilient mechanisms.
6. The switching capacity currently available should not be less than 3T in the backbone network.
7. The equipment shall provide an OCh switching fabric.
8. The OCh switching fabric should be strictly non-blocking for all implemented types of cross- connections.
9. The OCh switching fabric should be able to make cross connections driven by EMS/NMS, control plane and resilient mechanisms.
10. The Och switching should support Directionless and Colour less configuration and the vender should depict the configuration with schematic diagram.

3.6 Synchronization

1. The equipment must support clock recovery from STM-1/4/16/64 interface.
2. The equipment must support clock recovery from GE(GFP-T)/GE/10GE LAN/40GE/100GE interface.
3. The equipment shall support at least two 2MHz interface for external synchronization input and output in conformity with G.703 and G.704 recommendations.
4. The equipment shall support at least two 2Mbit/s interface for external synchronization input and output in conformity with G.703 and G.704 recommendations.
5. The equipment shall support at least two inputs & outputs interfaces for IEEE 1588V2, please indicate the detail of time synchronization including electrical specification, networking, etc.

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4 WSON/ASON

1. ASON/WSON should support the peer mode or overlay mode.
2. ASON/WSON should support the 96ch system.
3. ASON/GMPLS should support the E-NNI.
4. ASON/GMPLS should support the I-NNI
5. The ODUk electrical-layer ASON/Optical layer WSON supports different kind of services so that Purchaser can get 99.999% network availability till fiber path is available

5 Interface

The equipment shall provide following services:

5.1 TDM

- STM-1/OC-3 : ITU-T G.957 I-1.1 , L-1.1, L-1.2
- STM-4/OC-12: ITU-T G.957 S-4.1 , L-4.1, L-4.2
- STM-16/OC-48:ITU-T G.957 I-16 , S-16.1,L-16.1, L-16.2
- STM-64/OC-192:ITU-T G.691 I-64.1, S-64.2b

5.2 Gigabit Ethernet

- IEEE802.3z 1000Base-SX, 1000Base-LX, 1000Base-ZX, 1000Base-T
- 10Gigabit Ethernet :
- IEEE802.3ae 10GBase-SR, 10GBase-LR, 10GBase-ER, 10GBase-ZR
- 100Gigabit Ethernet LAN PHY (100GBASE-R) :
- IEEE802.3ba 100GBase-LR4

5.3 OTN

The following standards should be supported:

- OTU1
- ITU-T G.709 OTU2
- ITU-T OTU2/G.Sup43 OTU2e (Configurable)
- ITU-T G.709 OTU3
- ITU-T G.709 OTU4
- ITU-T G.709 OTU2C

Instructions to the OEM Company

Part-I

1 Definitions:

1. “Employer” means APSFL who have invited the Expression of Interests EoIs).
2. “OEM” means any entity or person or associations of person, who have been eligible and willing to submit their Expression of Interests (EoIs) for Supply, Installation and Commissioning of DWDM Network Upgrade Equipment for AP Fiber Grid.
3. “Personnel” means professionals and support staff provided by the OEM Company assigned to perform the Services or any part thereof.
4. “Expression of Interest” means the Expression of Interest (EoI) Forms duly filled in by the prospective OEM Company.

2. Eligibility of OEM Company:

2.1 If the OEM Company had made Expression of Interest (EoI) with the Employer. OEM company shall be evaluated as per the qualification/ eligibility criteria set forth in Section-IV.

3 Amendments & Clarifications of EoI Document:

At any time before the submission of Expression of Interest (EoI), the APSFL may amend this EoI Document by issuing an addendum in writing or by standard electronic means. The addendum shall be sent to all OEM’s and will be binding on them. OEM Company shall acknowledge receipt of all amendments. To give OEM is reasonable time in which to take an amendment into account in their Expression of Interest (EoI), the Employer may, if the amendment is substantial, extend the deadline for the submission of Expression of Interest (EoI).

4. Preparation of Expression of Interest (EoI) :

4.1 The Expression of Interest (EoI) as well as all related correspondence exchanged by the OEM Company and the Employer shall be written in English language.

4.2 In preparing their Expression of Interest (EoI), OEM Company are expected to examine in detail the documents comprising the Expression of Interest (EoI) Document. Material deficiencies in providing the information requested may result in rejection of an Expression of Interest (EoI).

4.3 Depending on the nature of the Work, OEM Company are required to submit an Expression of Interest (EoI) in forms provided in Section-IV. The Part-II, Data-sheet in Section-III indicates the formats of the Expression of Interest (EoI) to be submitted. Submission of the

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wrong type of Expression of Interest (EoI) will result in the Expression of Interest (EoI) being deemed non-responsive. The Expression of Interest (EoI) shall provide the information using the attached Standard Forms (Section-V). Form EoI – 1 in Section-V is a sample letter of Expression of Interest (EoI) which is to be submitted along with the Expression of Interest (EoI).

5 Earnest Money Deposit (EMD):

The Earnest Money Deposit (EMD), is required to be submitted at the EoI-stage in the form of Demand Draft of any Scheduled Bank for an amount of **Rs.5000/-** in favour of “Andhra Pradesh State FiberNet Limited” payable at Vijayawada. The EMD is refundable. Please note that any Expression of Interest (EoI), which does not include the EMD, would be rejected as non-responsive.

6.EoI Processing Fees:

All OEM Companies are required to pay a non-refundable **Rs. 5000/-** towards Bid Processing Fees in the form of Demand Draft drawn in favor of “Andhra Pradesh State FiberNet Limited” Vijayawada. In case of non-submission of said processing fee, the EoI will be rejected.

7.Submission, Receipt, and Opening of Expression of Interest (EoI):

7.1 The original Expression of Interest (EoI) shall contain no interlineations or overwriting, except as necessary to correct errors made by the OEM Company themselves. The person who signed the Expression of Interest (EoI) must initial such corrections. Submission letters for Expression of Interest (EoI) should be in the format of EoI-1 of Section-V.

7.2 An authorized representative of the OEM Company shall initial all pages of the original Expression of Interest (EoI). The authorization shall be in the form of a written power of attorney accompanying the Expression of Interest (EoI) or in any other form demonstrating that the representative has been duly authorized to sign. The signed Expression of Interest (EoI) shall be marked “ORIGINAL”.

7.3 The original and all copies of the Expression of Interest (EoI) shall be placed in a sealed envelope clearly marked “Expression of Interest (EoI) for” Supply, Installation and Commissioning of DWDM Network Upgrade Equipment for AP Fiber Grid, followed by the name of the Assignment/job. The envelopes containing the Expression of Interest (EoI) for Supply, Installation and Commissioning of DWDM Network Upgrade Equipment for AP Fiber Grid. EMD and bid processing fees shall be placed into an outer envelope and sealed. This outer envelope shall bear the submission address, reference number be clearly marked “DO NOT OPEN, BEFORE [insert the time and date of the opening indicated in the Data sheet]”. The Employer shall not be responsible for misplacement, loss or premature opening if the outer

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envelope is not sealed and/or marked as stipulated. This circumstance may be case for Expression of Interest (EoI)'s rejection.

7.4 The Expression of Interest (EoI) must be sent to the address/addresses indicated in the Data sheet and received by the Employer no later than the time and the date indicated in the Data sheet, or any extension to this date in accordance with para 4.2 above. Any Expression of Interest (EoI) received by the Employer after the deadline for submission shall be returned unopened.

8.Expression of Interest (EoI) Evaluation:

8.1 The employer has constituted a Evaluation Committee (EC) which will carry out the entire evaluation process.

8.2 The Evaluation Committee shall evaluate the Expression of Interest (EoI) on the basis of the qualification criteria specified in Section-IV. In the first stage of evaluation, an Expression of Interest (EoI) shall be rejected if it is found deficient as per the requirement indicated in the Section-IV for responsiveness of the Expression of Interest (EoI). Only responsive Expressions of Interest (EoIs) shall be further taken up for evaluation. Evaluation of the Expression of Interest (EoI) will start first. The qualification criteria of the OEM Company and the evaluation criteria for the Expression of Interest (EoI) for Supply, Installation and Commissioning of DWDM Network Upgrade Equipment for AP Fiber Grid shall be as defined in the Section-IV.

9 Confidentiality

Information relating to evaluation of Expression of Interest (EoI)and recommendations concerning qualifications shall not be disclosed to the OEM company who submitted the Expression of Interest (EoI) or to other persons not officially concerned with the process, until the shortlisting of the OEM company. The undue use by any OEM company of confidential information related to the process may result in the rejection of its Expression of Interest (EoI) and may be subject to the provisions of the Employer's anti-fraud and corruption policy.

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INSTRUCTIONS TO OEM COMPANY

Part-II: DATA SHEET

Clause No:	Particulars of Data sheet
1.Name of the Employer:	Andhra Pradesh State FiberNet Limited 3rd Floor, NTR Administrative Block, Pandit Nehru Bus Station, NH 65, Vijayawada-520001, Andhra Pradesh, India.
2.Name of the Assignment/job is:	Supply, Installation and Commissioning of DWDM Network Upgrade Equipment for AP Fiber Grid
4.Date & time and address for submission of Expression of Interest (EoI):	
Date	25/05/2022
Time	03:00 Pm
Address	Andhra Pradesh State FiberNet Limited 3rd Floor, NTR Administrative Block, Pandit Nehru Bus Station, NH 65, Vijayawada-520001, Andhra Pradesh, India.
5.The Employer's representative is:	
Address:	Andhra Pradesh State FiberNet Limited 3rd Floor, NTR Administrative Block, Pandit Nehru Bus Station, NH 65, Vijayawada-520001, Andhra Pradesh, India.
E-mail:	apsfl@ap.gov.in
6.Validity-period of the Expression of Interest (EoI) to be submitted by the prospective OEM Company:	The Expression of Interest (EoI) to be submitted by the prospective OEM Company must remain valid for minimum 90 days after the submission date,
7.Clarifications may be requested on or before the submission date.	5:00PM on 18.05.2022
E-mail: cto.apsfl@ap.gov.in apsfl@ap.gov.in ,	

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8. The formats of the Expression of Interest (EoI) to be submitted are:

Form EoI – 1: Letter of submission of Expression of Interest (EoI)

Form EoI – 2: OEM Company's organization & experience

Form EoI – 3: Information regarding any conflicting activities and declaration thereof.

Form EoI – 4: Questionnaires (Part – A & Part –B)

9. The OEM company must submit the original and one copy of the Expression of Interest (EoI).

Section-IV

Pre-Qualification Criteria

1. The OEM/consortium members should be a company registered in India under the Indian companies act 1956/2013 or a registered partnership firm or a sole proprietary firm or llp and should be in business for 3 yrs by the time of submission of the bid. Foreign companies can be a consortium member provided they are manufacturer/OEM of the products being supplied.
2. The OEM / any consortium member should have at least 3 financial years of existence in manufacturing or supply of equipment or similar products as on date of submission of EOI.
3. The OEM / consortium should have ISO 9001 & ISO 27001 and should have Certified copy of ISO certificates.
4. The bidder / consortium should not have been blacklisted by any GOVT or PSU in india as on the date of submission.
5. OEM should have 5 years of experience relating to DWDM/OTN nodes in Service provider projects.
6. OEM should have experience of supplying, commissioning and providing support services for at least 100 Nos. DWDM/OTN nodes in last 3 years. The Company shall furnish documentary evidence in support of the experience in the form of completion certificate from the company for which it has installed the DWDM/OTN nodes or letter of certification by qualified auditors.
7. Technical compliance for the minimum specifications provided in scope of work.

Formats (including Questionnaires) for Submission of Expression of Interest

Andhra Pradesh State Fiber Net Limited

3rd Floor, NTR Administrative Block, Pandit Nehru Bus Station, NH 65, Vijayawada-520001,
Andhra Pradesh, India.

Expression of Interest (EOI) Form

CHECK-LIST

Please note: To help you prepare the best application possible, all items below need to be considered and ticked off. This will also assist us with assessment of your application.

Have you:

Read the EOI Guidelines?

Contacted the relevant Officer(s) to discuss your EoI Document?

Read and addressed the APSFL EoI document?

Checked that your OEM Company is aware and agrees to the final EOI submitted?

Signed the EOI (or typewritten if emailed) and checked that you are authorized to sign/submit the form?

Checked that your OEM Company is prepared to have adequate public liability insurance to cover the project activities you are proposing?

If you are proposing to employ staff, are you aware of your obligations as an employer to provide adequate insurance, Service facilities, ESI, EPF, etc., for each of those staff, plus employment conditions as recommended in principle under the guidelines of **Government of India, Ministry of Labour, etc.**, where appropriate?

Yes:___

No: ___

N/A:___

LETTER OF PROPOSAL SUBMISSION

[Location, Date]

To,

The Managing Director,

APSFL,

Vijayawada-520001.

Dear Sir(s),

I/We, the undersigned, offer to express the necessary interest for being short-listed for the Bidding process for Supply, Installation and Commissioning of DWDM Network Upgrade Equipment for AP Fiber, in accordance with your “Invitation for Expression of Interest” dated . We are hereby submitting our Expression of Interest (EoI), EMD and requisite EoI Document fees.

I/We are submitting our Expression of Interest (EoI).

I/We hereby declare that all the information and statements made in this Expression of Interest (EoI) are true and accept that any misinterpretation contained in it may lead to our disqualification. All the documents are subject to verification by local administration or as deemed fit by the Authority Our Expression of Interest (EoI) is binding upon us.

We understand that you are not bound to accept any Expression of Interest (EoI) you receive.

Yours sincerely,

Authorized Signature [In full and initials]:

Name and Title of Signatory:

Name of OEM Company:

Address:

COMPANY’S ORGANIZATION AND EXPERIENCE

A – COMPANY’S Organization

[Provide here a brief description of the background and organization of your firm/entity and each associate for this Assignment/job. The brief description should include ownership details, date and place of incorporation of the firm, objectives of the firm etc. Also if the OEM Company has formed a consortium, details of each of the member of the consortium, name of lead members etc shall be provided]

B – OEM Company’s Experience

[Using the format below, provide information on each Assignment/job for which your firm, and each partner in the case of consortium or joint venture, was legally contracted either individually as a corporate entity or as one of the major partners within an association, for carrying out consulting Assignment/job similar to the ones requested under this Assignment/job. In case of consortium, association of Company, the Company must furnish the following information for each of the consortium member separately]

Firm’s name:

1	Assignment/job name:	Experience
1.1	Description of work:	
1.2	Place of Work:	
1.3	Name and Address of Employer:	
1.4	Name of associated Consultants, if any:	

Note: Please provide documentary evidence from the client i.e. copy of work order, contract for each of above mentioned assignment. The experience may not be considered for evaluation, if such requisite support documents are not provided with the Expression of Interest (EOI).

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**INFORMATION REGARDING ANY CONFLICTING ACTIVITIES AND
DECLARATION THEREOF**

We hereby declare that our OEM Company is not indulged in any such activity which can be termed as the conflicting activities. We also acknowledge that in case of misrepresentation of the information, our proposals / contract shall be rejected / terminated by the Employer which shall be binding on us.

Authorized Signature [In full and initials]:

Name and of Signatory: .

Name of Firm: .

Address: .

QUATIONARY Part-A

Sl. No.	Details of relevant Information sought	Information to be provided by the prospective Company
1.	Name of Company	:
2.	Date of Establishment of Company	:
3.	Legal Status of Firm [Whether Sole Proprietary-ship / Cooperative / Partnership Firm/ Company (under Company Act) / Society (under Societies Registration Act)/ Central PSU / State PSU or so?]	:
4.	OEM Company's Registration. No. & Date	:
5.	Copy of Registration. Certificate (To be enclosed)	:
6.	Nos. of such contracts received each year during last 3 years [along with copies of Award of contracts(s) Performance Report]	: 2018-19: 2019-20: 2020-21:
7.	Name of Proprietor of Company, along with Address, Tel. No., Fax No. & e.mail address	:
8.	Details of Blacklisting from any Govt. Deptt./Organization, if any during last 5 years. (If so, the firm must also provide the detailed reasons for its blacklisting, for consideration of its Bid on overall Merits, if any.)	:

Signature of prospective OEM Company:

[**Either "Proprietor" or "Authorized Signatory" (Enclosing the Letter of Authority from Proprietor)**]

Signatory's Name:

Address:

.....

INVITATION FOR EXPRESSION OF INTEREST (EOI)

QUATIONARY Part-B

The prospective OEM Company should furnish specific answers to all the questions/issues mentioned below. In case a question/issue does not apply to a prospective Firm, the same should be answered with the remark “not applicable”.

Wherever necessary and applicable, the prospective Firm shall enclose certified copy as documentary proof/ evidence to substantiate the corresponding statement.

In case a prospective Firm furnishes a wrong or evasive answer against any of the under-mentioned question/issues, its Bid will be liable to be cancelled.

Sl. No.	Query related to Information sought from prospective OEM Company		Information to be provided by the prospective OEM Company	Guiding Remarks /Note (for prospective OEM Company)
1.	Expression of Interest (EoI) is valid for acceptance upto	:	EoI is required to be valid at least upto
2.	Your permanent Income Tax A/C No.	:	
3.	Attach certified copy of your latest/current Income Tax clearance certificate	:	
4.	Status:			
	ii) Are you currently registered under the Indian Companies Act, 1956/2013 or Societies Registration Act, 1860, or any other Act?	:	Yes / No. If Yes, then Regn. No.:	
6.	i) Please indicate name & full address of your Banker(s)	:		The Banking details are required to ensure Financial Transparency, & to facilitate timely payment through E-Payment/ECS/RTGS / LC, etc.
	ii) Please provide your Principal Consulting Firm's Bank A/c. No., Bank Code, IBAN Code, SWIFT/BIC Code.	:	Bank A/c. No.: Bank Code: IBAN Code: SWIFT/BIC Code:	
8.	Please state whether any work dealings with you currently stand suspended / banned by any Ministry/Department of Government of India or by any State Govt.	:	. Yes/No	

INVITATION FOR EXPRESSION OF INTEREST (EOI)

.....(Signature with date) (Full name, designation & address of the person duly authorized to sign on behalf of the prospective OEM Company)

..... For and on behalf of (Name, address and stamp of the OEM Company)

MODEL BANK GUARANTEE FORMAT FOR FURNISHING EMD

Whereas M/s (hereinafter called the “OEM Company”) has submitted their Expression of Interest (EoI) dated for being short listed Supply, Installation and Commissioning of DWDM Network Upgrade Equipment for AP Fiber Grid against the employer’s Invitation for EoI No. ---

KNOW ALL MEN by these present that
WE

.....
of
..... having our registered office
at
..... are bound unto
.....
(hereinafter called the “Employer”) in the sum of for which
payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors
and assigns by these presents. Sealed with the Common Seal of the said Bank this day
of.....2022.

THE CONDITIONS OF THIS OBLIGATION ARE:

- (1) If the OEM Company withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- (2) If the OEM Company having been notified of the acceptance of his tender by the Purchaser during the period of its validity: -
 - a) If the OEM Company fails to furnish the Performance Security for the due performance of the contract.
 - b) Fails or refuses to accept/execute the contract.

We undertake to pay the Employer up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to **90 days** after submission of EoI; i.e. at least upto _____ and any demand in respect thereof should reach the Bank not later than the above date.

INVITATION FOR EXPRESSION OF INTEREST (EOI)

.....
..... (Signature of the
authorized officer of the Bank)

.....
.....
Name and designation of the officer

.....
..... Seal, name & address of the Bank and
address of the Branch