

RFP No.: APSFL/OLA/284-2/2018, Dated 02/03/2019

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

Corrigendum 03, Dt:27.03.2019

Bidders may please note that this corrigendum document is part of this RFP. The items listed in the corrigendum will supersede the corresponding clauses in RfP

S. No.	Section	Clause	Brief Description of the clause	Page No	Revised clause
1	4. Pre- Qualification Criteria	Sno 6	The Bidder/Consortium should have Cumulative Annual Turnover of INR 100 Crores and above in last Three audited financial years. In case of Consortium the prime bidder should contribute at least 50% of the turnover.	7	The Bidder/Consortium should have Cumulative Annual Turnover of INR 100 Crores and above in last Three audited financial years from activities relating to IT Systems Integration services / IT services / Network services / Telecom services in India or abroad. In case of Consortium the prime bidder should contribute at least 50% of the turnover.
2	4. Pre- Qualification Criteria	Sno 7	Cumulative Annual Turnover in last Three audited financial years. (FY 15-16, FY 16-17 & FY 17-18)	7	Cumulative Annual Turnover of INR 100 Crores and above in last Three audited financial years from activities relating to IT Systems Integration services / IT services / Network services / Telecom services in India or abroad. In case of Consortium the prime bidder should contribute at least 50% of the turnover.
3	3.2.6	Switching Fabric Requirements	The switching capacity currently available should not be less than 3T in the backbone network.	16	The switching capacity currently available should not be less than 5T in the backbone network.
4	4 Pre- Qualification Criteria S.No. 2	Sno4	The Bidder/ 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 RFP.	19	The bidder/any consortium member should have at least three OTN ASON based DWDM/OTN Indian network references & Ten Global OTN ASON Based references.
5	4. Pre- Qualification Criteria	Sno11	OEM should have experience in at least 5 similar service provider projects involving	20	OEM should have experience of supplying, commissioning and providing support services for at least

			at least 100 DWDM/OTN node deployments.		100G DWDM with OTN functionality nodes in last 3 years.
6	7. Instructions to the Bidder	7.25	Successful bidder should maintain adequate spares to support at least 10% of equipment supplied as part of this RFP.	27	To maintain uptime of the network minimum 2% of spares needs to be incorporated in the proposal.
7	7. Instructions to the Bidder	7.30'	"1. 80% of the work order value payable against successful supply, GO-Live & Acceptance from APSFL. Supporting Documents – Acceptance certificate duly signed by APSFL 2. 20% of the total value will be given after 6 months from date of Go-Live and upon satisfactory certification from APSFL. Supporting Documents – Satisfactory certificate duly signed by APSFL"	29	"1. 40% of value payable against successful delivery of the equipment within 30 days from submission of invoice. Supporting Documents – Invoice & Delivery challan duly signed by APSFL / Authorized representative 2. 50% of value payable against successful supply, GO-Live & Acceptance from APSFL. Supporting Documents – Acceptance certificate duly signed by APSFL 3.10% of value will be given after 6 months from date of Go-Live and upon satisfactory certification from APSFL. Supporting Documents – Satisfactory certificate duly signed by APSFL"
8	New	New	State Ring link span and losses	New	Please see the Annexure I to this corrigendum
9	New	New	Zonal Ring link span and losses	New	Please see the Annexure II to this corrigendum
10	New	New	New: Fiber	New	Fiber used in APSFL network is as per ITU-T G.652 D.
11	3.2 Technical Requirement	New	Temperature requirements	New	For District: 0-45°C For Zonal: 0-65 °C
12	8. Annexure	8.10	Price Bid	40	Please refer Revised Price bid in Annexure IV to this corrigendum

Annexure I - APSFL District Nodes with Distances and Losses

District	Optical Link	Distance(KM)	Present Loss
Ananthapur	Ananthapur-DHQ -> Gooty-OLA	69	23
	Ananthapur-DHQ ->Mudunur-OLA	113	29.4
	Gooty-OLA -> Somayajulapalli-OLA	84.43	23.7
	Gooty-OLA -> Ananthapur-DHQ	69	23.9
Chittoor	AP-Chittoor-Kalikiri-OLA -> AP-Kadapa+B27-Kadapa-DHQ	102.62	31.4
	AP-Chittoor-Kalikiri-OLA -> AP-Chittoor-Pakala-OLA	63.5	16.4
	AP-Chittoor-Pakala-OLA -> AP-Chittoor-Kalikiri-OLA	63.5	15.2
	AP-Chittoor-Pakala-OLA -> AP-Chittoor-Tirupathi-DHQ	68.97	19.7
	AP-Chittoor-Tirupathi-DHQ -> AP-Nellor-Gollapalli-OLA	95.37	23.5
	AP-Chittoor-Tirupathi-DHQ -> AP-Chittoor-Pakala-OLA	68.97	18
Eluru	AP-Eluru-Arikirevula-OLA -> AP-KKD-Prathipadu-OLA	90.5	30.9
	AP-Eluru-Arikirevula-OLA -> AP-Eluru-Uppalapadu-OLA	83	29.7
	AP-Eluru-Eluru-DHQ -> AP-Krishna-Vijayawada-DHQ	78.42	26
	AP-Eluru-Eluru-DHQ -> AP-Eluru-Uppalapadu-OLA	78.7	26.1
	AP-Eluru-Uppalapadu-OLA -> AP-Eluru-Eluru-DHQ	78.7	27.7
	AP-Eluru-Uppalapadu-OLA -> AP-Eluru-Arikirevula-OLA	83	30.2
	AP-Eluru-Bhimadolu-OLA -> AP-Krishna-Vijayawada-DHQ	105.2	34.3
	AP-Eluru-Bhimadolu-OLA -> AP-Kakinada-Bommuru-OLA	71.15	19.9
Guntur	AP-Guntur-Guntur-DHQ -> AP-ONG-Marturu-OLA	95.8	32.3
	AP-Guntur-Guntur-DHQ -> AP-Krishna-Vijayawada-DHQ	50.8	13
	AP-Guntur-Satanapalli-OLA -> AP-Krishna-Vijayawada-DHQ	96.75	30.3
	AP-Guntur-Satanapalli-OLA -> AP-PRK-Tripurantakam-OLA	97	25.7
Kadapa	AP-Kadapa-Kadapa-DHQ -> AP-CHittoor-Kalikiri-OLA	102.62	30.4
	AP-Kadapa-Kadapa-DHQ -> AP-Kadapa-Madanapalli-OLA	89	28.8
	AP-Kadapa-Madanapalli-OLA -> AP-Anantapur-Ananthapur-DHQ	113	31.9
	AP-Kadapa-Madanapalli-OLA -> AP-Kadapa-Kadapa-DHQ	89	31.5
Kakinada	AP-Kakinada-Bommuru-OLA -> AP-Kakinada-Kakinada-DHQ	78.4	23.2
	AP-Kakinada-Bommuru-OLA -> AP-Eluru-Bhimadolu-OLA	71.15	16.6
	AP-Kakinada-D.polavaram-OLA -> AP-Visakhapatnam-VSS-OLA	77.5	28.3
	AP-Kakinada-D.polavaram-OLA -> AP-Kakinada-Kakinada-DHQ	92.65	33.1
	AP-Kakinada-Kakinada-DHQ -> AP-Kakinada-D.polavaram-OLA	92.65	27.4
	AP-Kakinada-Kakinada-DHQ -> AP-Kakinada-Bommuru-OLA	78.4	20.7
	AP-Kakinada-Prathipadu-OLA -> AP-Eluru-Arikirevula-OLA	90.5	32.6
	AP-Kakinada-Prathipadu-OLA -> AP-Visakhapatnam-P.b palli-OLA	95.89	31.6
Krishna	AP-Krishna-Vijayawada-DHQ -> AP-Eluru-Eluru-DHQ	78.423	26.3
	AP-Krishna-Vijayawada-DHQ -> AP-Guntur-Guntur-DHQ	50.8	14.8
	AP-Krishna-Vijayawada-DHQ -> AP-Guntur-Satanapalli-OLA	96.75	33.9
	AP-Krishna-Vijayawada-DHQ -> AP-Eluru-Bhimadolu-OLA	105.2	34.2
Kurnool	AP-Kurnool-Kurnool-DHQ -> AP-Kurnool-Somayajulapalli-OLA	46.94	16.6

	AP-Kurnool-Kurnool-DHQ -> AP-Kurnool-Srisailam-OLA	126	33.5
	AP-Kurnool-Somayajulapalli-OLA -> AP-Kurnool-Kurnool-DHQ	46.94	17.5
	AP-Kurnool-Somayajulapalli-OLA -> AP-ATP-Gooty-OLA	84.43	25.2
	AP-Kurnool-Srisailam-OLA -> AP-PRK-Tripurantakam-OLA	74.3	17.5
	AP-Kurnool-Srisailam-OLA -> AP-Kurnool-Kurnool-DHQ	126	34.3
Nellore	AP-Nellore-Golapalli-OLA -> AP-Chittor-Tirupathi-DHQ	95.37	24.1
	AP-Nellore-Golapalli-OLA -> AP-Nellore-Nellore-DHQ	85.29	23
	AP-Nellore-Nellore-DHQ -> AP-Nellore-Vengalraonagar-OLA	79.78	24
	AP-Nellore-Nellore-DHQ -> AP-Nellore-Golapalli-OLA	85.29	24.3
	AP-Nellore-Vengalraonagar-OLA -> AP-Nellore-Nellore-DHQ	79.78	20
	AP-Nellore-Vengalraonagar-OLA -> AP-Ongole-Ongoleole-DHQ	85	20.6
Prakasam	AP-Ongole-MARTUR-OLA -> AP-Ongole-Ongole-DHQ	70	26.1
	AP-Ongole-MARTUR-OLA -> AP-Guntur-Guntur-DHQ	90	26
	AP-Ongole-Ongole-DHQ -> AP-Ongole-Martur-OLA	70	22.1
	AP-Ongole-Ongole-DHQ -> AP-NLR-Vengalraonagar-OLA	85	21.4
	AP-PRK-Tripurantakam-OLA-> AP-Guntur-Satanapalli-OLA	97	23.3
	AP-PRK-Tripurantakam-OLA-> AP-Kurnool-Srisailam-OLA	74.3	17.9
Visakhapatnam	AP-Visakhapatnam-Kotapadu-OLA -> AP-Visakhapatnam-NOC-DHQ	66.39	24
	AP-Visakhapatnam-Kotapadu-OLA -> AP-Visakhapatnam-P.B.Palli-OLA	66.6	19.4
	AP-Visakhapatnam-NOC-DHQ -> AP-Visakhapatnam-VSS-OLA	42.8	16
	AP-Visakhapatnam-NOC-DHQ -> AP-Visakhapatnam-Kotapadu-OLA	66.39	24.1
	AP-Visakhapatnam-P.b palli-OLA -> AP-Visakhapatnam-Kotapadu-OLA	66.6	26.5
	AP-Visakhapatnam-PB.Palli-OLA -> AP-kakinada-Prathipadu-OLA	95.89	33.4
	AP-Visakhapatnam-VSS-OLA -> AP-Visakhapatnam-NOC-DHQ	42.8	16.2
	AP-Visakhapatnam-VSS-OLA -> AP-kakinada-D.Polavaram-OLA	77.5	24.5

Annexure II - APSFL ZONAL Nodes along with Span Losses

District	Optical Link	Distance(KM)	Present Loss
ANANTHAPUR	ATP-DHQ-ZON -> ATP-Muduguba-ZON	97	21.3
	ATP-DHQ-ZON -> ATP-Kalyandurgam-ZON	74.5	24
	ATP-Kalyandurgam-ZON -> ATP-Venkatreddypalli-ZON	109.6	8
	ATP-Kalyandurgam-ZON -> ATP-DHQ-ZON	74.5	24.5
	ATP-Muduguba-ZON -> ATP-DHQ-ZON	97	15.4
	ATP-Muduguba-ZON -> ATP-Venkatreddypalli-ZON	65.3	18.2
	ATP-Venkatreddypalli-ZON -> ATP-Muduguba-ZON	65.3	19.3
	ATP-Venkatreddypalli-ZON -> ATP-Kalayandurgam-ZON	109.6	20.4
CHITTOOR	Gandhi road> Palamaner	55	26.5
	Gandhi road -> Puttur	76	26.6
	Madanapalli -> Rompicherla	93	25.2
	Madanapalli -> Palamaner	71	25.3
	Palamaner ->Madanapalli	71	25
	Palamaner -> Gandhi road	55	23.8
	Putur -> Gandhi road	76	24.5
	Puttur -> Tirupathi Dhq	39	14.8
	Rompicherla -> Tirupathi Dhq	102	29.8
	Rompicherla -> Madanapalli	93	29.4
	Tirupathi Dhq -> Rompicherla	102	28.8
	Tirupathi Dhq -> Puttur	39	13.4
EAST GODAWARI	Amalapuram -> Godavari	84.5	33.4
	Amalapuram -> EastGodavari-RCP-ZON	63.5	25.8
	Godavari -> EastGodavari-PDM-ZON	63	24.2
	Godavari -> Amalapuram	84.5	30.4
	Kakinada DHQ -> Pedapuram	24.5	9.4
	Kakinada DHQ ->Ramchandrapuram	38.1	13.4
	Pedapuram-> EastGodavari-Kakinada-DHQ	24.5	12.5
	Pedapuram -> Godavari	63	24.6
	Ramchandrapuram -> Amalapuram	63.5	21.5
	Ramchandrapuram -> Kakinada DHQ	38.1	13.7
GUNTUR	Bapatla -> Tenali	55.32	16.3
	Bapatla -> Chirala	26.05	9.4
	Chirala -> Bapatla	26.05	8
	Chirala-> Narasaraopeta	95.2	33.5
	Guntur-DHQ -> Tenali	30.8	10.8
	Guntur-DHQ -> Guntur-Pidugurula-ZON	99.6	33.6
	Narasaraopeta -> Chirala	95.2	33.5
	Narasaraopeta -> Guntur-Pidugurula-ZON	59.5	19.6

	Pidugurala ->Narasaraopeta	59.5	19
	Pidugurala -> Guntur-DHQ	99.6	32.9
	Tenali -> Guntur-DHQ	30.8	11
	Tenali -> Bapatla	55.32	15.7
KADAPA	Kadapa-DHQ -> Kadapa-PRM-ZON	110.1	21.6
	Kadapa-DHQ -> Kadapa-VMP-ZON	53.4	20.9
	Kadapa-PRM-ZON -> Kadapa-DHQ	110.1	26.4
	Kadapa-PRM-ZON -> Kadapa-RMW-ZON	83.3	27.1
	Kadapa-RMW-ZON -> Kadapa-PRM-ZON	83.3	26.9
	Kadapa-RMW-ZON -> Kadapa-VMP-ZON	66.2	22.8
	Kadapa-VMP-ZON -> Kadapa-RMW-ZON	66.2	23.6
	Kadapa-VMP-ZON -> Kadapa-DHQ	53.4	20.7
KRISHNA	Gudivada -> Pamuru	35	10.4
	Gudivada-> Nuzividu	71	29.9
	Nuzividu -> Gudivada	71	28.9
	Nuzividu -> Vijayawada-DHQ	68	25.9
	Pamuru -> Vijayawada-DHQ	66	27.2
	Pamuru-> Gudivada	35	9.4
	Vijayawada-DHQ -> Pamuru	66	23.5
	Vijayawada-DHQ -> Nuzividu	68	23.9
KURNOOL	Kurnool-Adhoni-ZON -> Kurnool-DHQ-ZON	133.6	27.4
	Kurnool-Adhoni-ZON -> Kurnool-DHONE-ZON	120	17.9
	Kurnool-Atmakur-ZON -> Kurnool-Nandyala-ZON	60.2	21.7
	Kurnool-Atmakur-ZON -> Kurnool-Kurnool-DHQ	79	24.4
	Kurnool-DHONE-ZON-> Kurnool-Nandayala-ZON	100.5	15
	Kurnool-DHONE-ZON -> Kurnool-Adhoni-ZON	120	17.4
	Kurnool-DHQ-ZON -> Kurnool-Adhoni-ZON	133.6	26.2
	Kurnool- Kurnool-DHQ -> Kurnool-Atmakur-ZON	79	23.9
	Kurnool-Nandyala-ZON -> Kurnool-DHONE-ZON	100.5	25.5
	Kurnool-Nandyala-ZON -> Kurnool-Atmakur-ZON	60.2	23.7
NELLORE	Nellore-DHQ -> Nellore-Vengalraonagar-ZON	79.9	23.1
	Nellore-DHQ -> Nellore-Guduru-ZON	52.2	22.2
	Nellore-Guduru-ZON -> Nellore-Nellorepalem-ZON	104.3	22
	Nellore-Guduru-ZON -> Nellore-DHQ	52.2	17.6
	Nellore-Nellorepalem-ZON -> Nellore-Vengalraonagar-ZON	87	27.2
	Nellore-Nellorepalem-ZON -> Nellore-Gudur-ZON	104.3	16.3
	Nellore-Vengalraonagar-ZON -> Nellore-DHQ	79.9	21.5
	Nellore-Vengalraonagar-ZON-> Nellore-Nellorepalem-ZON	87	25.7
PRAKASAM	Prakasam-Darsi-ZON -> Prakasam-Ongole-DHQ	88	25.4
	Prakasam-Darsi-ZON -> Prakasam-Markapur-ZON	60	17.1
	Prakasam-Kandukur-ZON -> Prakasam-Kanigiri-ZON	53	17.9
	Prakasam-Kandukur-ZON -> Prakasam-Ongole-DHQ	59	23.2

	Prakasam-Kanigiri-ZON -> Prakasam-Markapur-ZON	65	20
	Prakasam-Kanigiri-ZON -> Prakasam-Kandukur-ZON	53	19.1
	Prakasam-Markapur-ZON -> Prakasam-Darsi-ZON	60	14.8
	Prakasam-Markapur-ZON -> Prakasam-Kanigiri-ZON	65	19.8
	Prakasam-Ongole-DHQ -> Prakasam-Darsi-ZON	88	25.4
	Prakasam-Ongole-DHQ -> Prakasam-Kandukur-ZON	59	25
COSTAL RING	Visakhapatnam-Bobbili-ZON -> Visakhapatnam-Palakonda-ZON	82.1	28.9
	Visakhapatnam-Bobbili-ZON -> Visakhapatnam-Vizainagaram-ZON	78.2	30.6
	Visakhapatnam-NOC-ZON -> Visakhapatnam-Vizainagaram-ZON	86.8	29.2
	Visakhapatnam-NOC-ZON -> Visakhapatnam-Natavalasa-ZON	70.8	27.1
	Visakhapatnam-Natavalasa-ZON -> Visakhapatnam-Srikakulam-ZON	62.28	29.6
	Visakhapatnam-Natavalasa-ZON -> Visakhapatnam-NOC-ZON	70.8	29.6
	Visakhapatnam-Palakonda-ZON -> Visakhapatnam-Tekkali-ZON	90	N/A
	Visakhapatnam-Palakonda-ZON -> Visakhapatnam-Bobbili-ZON	82.1	28.4
	Visakhapatnam-Srikakulam-ZON -> Visakhapatnam-Natavalasa-ZON	62.28	25.9
	Visakhapatnam-Srikakulam-ZON -> Visakhapatnam-Tekkali-ZON	74	30.2
	Visakhapatnam-Tekkali-ZON -> Visakhapatnam-Srikakulam-ZON	74	25.3
	Visakhapatnam-Tekkali-ZON -> Visakhapatnam-Palakonda-ZON	90	N/A
	Visakhapatnam-Vizainagaram-ZON -> Visakhapatnam-NOC-ZON	86.8	32.6
	Visakhapatnam-Vizainagaram-ZON -> Visakhapatnam-Bobbili-ZON	78.2	28.4
VISAKHAPATNAM	Visakhapatnam-Bayyavaram-ZON -> Visakhapatnam-PB.Palli-ZON	74.62	32.4
	Visakhapatnam-Bayyavaram-ZON -> Visakhapatnam-NOC-ZON	75.87	27.6
	Visakhapatnam-Kotapadu-ZON -> Visakhapatnam-NOC-ZON	66.39	23.6
	Visakhapatnam-Kotapadu-ZON -> Visakhapatnam-PB.Palli-ZON	66.6	25.6
	Visakhapatnam-NOC-ZON -> Visakhapatnam-Kotapadu-ZON	66.39	21.5
	Visakhapatnam-NOC-ZON -> Visakhapatnam-Bayyavaram-ZON	75.87	26.1
	Visakhapatnam-PB.Palli-ZON -> Visakhapatnam-Kotapadu-ZON	66.6	23.6
	Visakhapatnam-PB.Palli-ZON -> Visakhapatnam-Bayyavaram-ZON	74.62	29.2
WEST GODAVARI	WestGodavari-Bhimavaram-ZON -> WestGodavari-Nidavolu-ZON	69.75	28
	WestGodavari-Bhimavaram-ZON -> WestGodavari-Narayapuram-ZON	47.94	25.9
	WestGodavari-Eluru-DHQ -> WestGodavari-Kamavarapu kota-ZON	66.91	25.8
	WestGodavari-Eluru-DHQ -> WestGodavari-Narayanapuram-ZON	52.61	23.9
	WestGodavari-Kamavarapu kota-ZON -> WestGodavari-Eluru-DHQ	66.91	25.8
	WestGodavari-Kamavarapu kota-ZON -> WestGodavari-Nidavolu-ZON	91.4	N/A
	WestGodavari-Nidavolu-ZON -> WestGodavari-Kamavarapu kota-ZON	91.4	N/A
	WestGodavari-Nidavolu-ZON -> WestGodavari-Bhimavaram-ZON	69.75	26.1
	WestGodavari-Narayapuram-ZON -> WestGodavari-Bhimavaram-ZON	47.94	25.4
	WestGodavari-Narayanapuram-ZON -> WestGodavari-Eluru-DHQ	52.61	25.2

Annexure IV – Price Bid

(To be submitted by Bidder 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: Supply, Installation and Commissioning of DWDM Network Upgrade Equipment for AP Fiber Grid

Ref: APSFL/OLA/284-2/2018, Dated 02/03/2019

Price Bid for Solution:

S No	Item description	Total Price
1	Complete End-to-End Solution for 13 Districts with required DWDM & OTN nodes along with required line amplifiers (A)	
2	Complete End-to-End Solution for 52 Zonals with required DWDM & OTN nodes along with required line amplifiers (B)	
Grand Total in INR (A+B)		
Grand Total in INR in words		

Price Bid for Equipment:

S No	Item description	Quantity	Unit Price	Total Price
1	STM-1: 10km	100		
	STM-1: 40km	65		
	STM-1: 80km	10		
2	STM-4: 10Km	10		
	STM-4: 40km	10		
	STM-4: 80km	10		
3	STM-16: 10km	10		
	STM-16: 40km	10		
	STM-16: 80km	10		
4	STM-64: 10Km	10		
	STM-64: 40km	10		
	STM-64: 80km	10		
5	SFP 1GE: 10km	10		
	SFP 1GE: 40km	10		
	SFP 1GE: 80km	10		
6	SFP 10GE: 500m	1000		
	SFP 10GE: 10Km	10		
	SFP 10GE: 40Km	10		
	SFP 10GE: 80Km	10		

Grand Total in INR				
Grand Total in INR in words				

Note

- Supply to designated locations /central warehouse 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 Grand Total Cost (Exclusive of Taxes)** will be considered for award of contract.
- 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 one-year period from date of signing of the contract.

APSFL reserves the right to

- Negotiate with the Bidder whose offer is the lowest (L1) for further reduction of prices.
- Ask other bidders to match the price of L1 to declare them as the shortlisted bidders and issue the order in case L1 defaults in performance of agreed terms and conditions.
- Modify, reduce or increase the quantity requirements to an extent of the tendered quantity
- If delivery performance of the Bidder is not as per the Schedule, then APSFL reserves the right to take action against them.
- 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)

(Name and seal of the firm)