

ZORAM ELECTRONICS DEVELOPMENT CORPORATION LIMITED (ZENICS)



(A Government of Mizoram Undertaking)

Regn. No. 58 - 03526 of 1990 - '91.
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<http://www.dict.mizoram.gov.in>

No. A. 11016/2/2023-ZENICS

:

Dated Aizawl the 13th Sept, 2023.

CORRIGENDUM

Tender issued on behalf of the Government of Mizoram, M/s. Zoram Electronics Development Corporation Limited (ZENICS) inviting Request for Proposal (RFP) for Selection of Implementing Agency for Mizo Fibre Grid Network (MFGN), Mizoram vide No: A. 11016/2/2023-ZENICS, dated 1st September 2023 is hereby amended. The alteration/modification in respective sections of the RFP through this corrigendum are appended with the corrigendum.

This corrigendum shall be read along with the published tender document. In case of conflict regarding any terms/conditions between RFP and corrigendum, the corrigendum shall supersede.

The detail can also be downloaded from <https://mizoramtenders.gov.in> and <https://dict.mizoram.gov.in>.

Sd/- Dr. LALTHLAMUANA
Managing Director,
ZENICS Ltd.

Memo No. A. 11016/2/2023-ZENICS : Dated Aizawl the 13th September 2023.

Copy to:

1. PS to Hon'ble Minister, ICT Department, Govt. of Mizoram;
2. Sr. PPS to Chief Secretary to the Govt. of Mizoram, /Chairman, ZENICS.
3. PPS to Secretary to the Govt. of Mizoram, ICT Dept./ Vice Chairman, ZENICS.
4. Chief Informatics Officer, ICT, for kind information.
5. PA to Managing Director, ZENICS Ltd.,
6. The Web Information Manager, Dept. of ICT for uploading in the websites.
7. Notice Board
8. Guard file.


Managing Director,
ZENICS Ltd.

Corrigendum

Tender No: A. 11016/2/2023-ZENICS

Selection of Implementing Agency for Mizo Fibre Grid Network (MFGN), Mizoram

S. No.	RFP Reference(s)/ (Section & Page Nos)	Existing Clause	Amended As
1.	4.4 Procedure for Submission of Bids	4.4.1 The bidders should submit bid documents through Mizoram e-Procurement portal at https://mizoramtenders.gov.in/	4.4.1 The bidders should submit bid documents through Mizoram e-Procurement portal at https://mizoramtenders.gov.in/ (Not physically) The original documents like EMD shall be physically submitted till submission deadline mentioned in the RFP at below mentioned address: ZENICS, 4th Floor, Old Secretariat Building -1, Treasury Square. Aizawl - 796001, Mizoram.
2.	4.8 Earnest Money Deposit (EMD) Page No 21	4.8.2 The EMD should be denominated in Indian Rupees and should be in the form of an Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks, in favour of MD, ZENICS, 4th Floor, Old Secretariat Building -1, Treasury Square. Aizawl - 796001, Mizoram.	4.8.2 The EMD should be denominated in Indian Rupees and should be in the form of an Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks, in favour of MD, ZENICS, 4th Floor, Old Secretariat Building -1, Treasury Square. Aizawl-796001, Mizoram. Bank Details: Bank Name: State Bank of India Telephone No.: 389-2317930 Address: Solomon's Cave, Aizawl, Mizoram, 796001 Account No.- 41833680798 Account Type: Savings Account IFSC- SBIN0001539

S. No.	RFP Reference(s)/ (Section & Page Nos)	Existing Clause	Amended As
3.	Clause 4.35.4 (1), Page No. 33 Pre-Qualification Criteria	1. Bid Security Declaration - Scanned copy of Bid Securing Declaration Form duly sealed and signed.	1. Bidder should provide EMD instead of Bid Securing Declaration. Copy of EMD proofs to be submitted. Refer Annexure – I of this Corrigendum document for updated Pre-Qualification Criteria Table.
4.	Clause No. 4.35.5 Technical Evaluation Criteria	4. Sole Bidder or lead bidder in case of consortium having experience of at least 3 projects (of worth not less than 2 Crore) each of ADSS or OPGW Fibre deployment in Government Sector/ PSUs project in India during last 5 financial years in similar terrain. Max. Marks 25 Documentary Evidence required: Copy of Work order/ agreement along with completion certificate for completed projects/ phase completion certificate in case of ongoing projects: More than 4 Projects- 25 marks > 4 projects but < 2 Project- 20 marks > or = 2 Projects - 15 marks Section Total 25 marks	Refer Annexure- II of this Corrigendum document for updated Technical Evaluation Criteria Table.
5.	Clause No. 6.13 Payment Schedule Page No. 92	3. 50% Completion of Survey & submission of reports, Commencement of Work - N.A. - 3% of Total Work Order Value	Refer Annexure- III of this Corrigendum document for updated Payment Schedule Table.
6.	Clause No. 6.13 Payment Schedule Page No. 92	12. Rectification of Punch points/Observation & Completion of Hand-over of Complete end to end Network - Duly signed and attested handover of Final documents along with ABD and other necessary documents - 10% of total work Order Value.	Refer Annexure- III of this Corrigendum document for updated Payment Schedule Table.

S. No.	RFP Reference(s)/ (Section & Page Nos)	Existing Clause	Amended As
7.	7.13 Commercial Bid Format, Page No. 115	<p>Instructions to fill the Commercial Bid:</p> <p>I. Bidder should provide all prices as per the prescribed format under this Annexure. Bidder should not leave any field blank.</p> <p>II. All the prices are to be entered in Indian National Rupees (INR) ONLY (%age values are not allowed)</p> <p>III. Purchaser reserves the right to ask the Bidder to submit proof of payment against any of the taxes, duties, levies indicated.</p> <p>IV. Purchaser shall take into account that all Taxes, Duties & Levies shall be paid as per actual.</p> <p>V. For the purpose of evaluation of the commercial bid in the event of discrepancy between the value in words and figures, the value in words shall prevail</p>	<p>Instructions to fill the Commercial Bid:</p> <p>I. Bidder should provide all prices as per the prescribed format under this Annexure. Bidder should not leave any field blank.</p> <p>II. All the prices are to be entered in Indian National Rupees (INR) ONLY (%age values are not allowed)</p> <p>III. Purchaser reserves the right to ask the Bidder to submit proof of payment against any of the taxes, duties, levies indicated.</p> <p>IV. Purchaser shall take into account that all Taxes, Duties & Levies shall be paid as per actual.</p> <p>V. For the purpose of evaluation of the commercial bid in the event of discrepancy between the value in words and figures, the value in words shall prevail.</p> <p>VI. Total Material Cost and Total Services cost shall be quoted including GST in the e-procurement portal. Bidders must upload duly filled BOQ as mentioned in Annexure 7.13 of RFP in the Commercial Bid section of procurement portal. (Not in Technical Bid section)</p>
8.	Clause No. 7.13 Commercial Bid Format Page 115 to 120	Bill of Quantity, column No 10 for HSN Code	HSN and SAC code to be used as per applicability in each case.

Annexure – I

4.35.4 Pre- Qualification Criteria

Pre- Qualification Criteria are listed below:

S. No.	Parameters	Criteria	Evidence to be Submitted
1	EMD		Copy of EMD proof to be submitted
2	Legal Entity / Registration of Company	The Sole Bidder and each of the consortium members should be entity registered under Companies Act, 1956/2013 or as amended and should have been in operations for at least last 3 financial years in India as on bid submission date.	The Sole Bidder and each of Consortium members: a. Copy of Certification of Incorporation/ Registration Certificate b. PAN card c. GST Registration d. RoC and Name change certificate (if any)
3	Annual Turnover	Sole Bidder or Lead Bidder (in case of consortium) should have an average annual turnover of at least 250 Crores in last three (3) audited financial years 1. 2022-23 2. 2021-22 3. 2020-21	Audited financial statements for the last three financial years OR Certificate from Statutory Auditor
4	Insolvency	The Bidder should not be insolvent, in receivership, or bankrupt as on the date of bid submission	Self-Declaration Certificate attested by the Managing Director / Managing Partner/ authorized signatory on the letterhead of the bidding entity that the bidder is not insolvent in receivership or bankrupt as on the bid submission date

S. No.	Parameters	Criteria	Evidence to be Submitted
5	Board Resolution/Power of Attorney in favour of authorized signatory	A Board Resolution or Power of Attorney, in the name of the person executing the bid, authorizing the signatory to sign on behalf of the bidding entity The person issuing the Power of Attorney shall possess Board Resolution in his favour for granting such rights.	Board Resolution OR Power of Attorney with appropriate supporting documents as per the formats given in Annexure 7.5 and Annexure 7.6 of this document/RFP Note: In case of Board Resolution the same shall be certified by the CEO/ MD/ Managing Partner/ Company Secretary for the applicability of the same for this RFP.
6	Work Experience	The Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning of Optical Fibre Cable (Underground or Aerial), Duct and accessories in last 3 years, as on bid submission date	Work order clearly mentioning Date and Work Completion Certificate for completion of the project / Phase completion certificate in case of On-going projects. OR Self-Certificate duly signed by Country Head in case of Optical Fibre network deployed for Self-consumption/ leasing out, IP1 license copy to be submitted.
7	Company Certificates	The Sole Bidder or Lead Bidder, should have valid ISO 9001:2008/ ISO 9001:2015 for Quality Management System which should be valid as on bid submission date	The Sole Bidder or Lead Bidder: Copy of valid certificate
8	Non-blacklisting declaration	The Sole Bidder and each of the Consortium members should not have been blacklisted/debarred by any State/Central Government Departments/Autonomous Bodies under Government/Special Purpose Vehicles (SPVs)/Corporations	The Sole Bidder and each of the Consortium members: An undertaking signed by CEO/ Country Head/ Managing Director /Authorized Signatory of the company to be provided on Non –judicial stamp paper of INR 100/- or such equivalent amount and document duly attested by

S. No.	Parameters	Criteria	Evidence to be Submitted
		formed by the Government/PSU/PSE or Urban Local Bodies (ULB) or similar statutory entities in India as on the date of bid submission	notary public.
9	Project Office in Mizoram	The Sole Bidder or Lead Bidder should have a project Office in the State of Mizoram. However, if the local presence is not there in the State, the selected bidder should give an undertaking for establishment of a project office, within one month of award of the contract.	Self-certification duly signed by authorized signatory on company letter head.
10	PMA Guidelines	The Sole Bidder or Lead Bidder through its consortium partner should comply with Preferential Market Access (PMA) guidelines notified by DoT and all its clarifications/ amendments applicable on this RFP.	An undertaking signed by CEO/ Country Head/ Managing Director /Authorized Signatory of the company to be provided on Non –judicial stamp paper of INR 100/- or such equivalent amount and document duly attested by notary public

Annexure – II

4.35.5 Technical Evaluation Criteria

S.No.	Technical Evaluation Parameters	Max Marks- 100	
1	Total Turnover of the Bidder	Max. Marks 20	
	Average Annual Turnover should be 250 Cr for last 3 Financial Years. (Balance sheet of last 3 Financial Years (2020-21, 2021-22, 2022-23) attested by Statutory Auditor		
	More than 400 Cr		20
	More than 300 Cr & less than or equal to 400 Cr		15
	More than 250 Cr & less than or equal to 300 Cr		10
Section Total		20	
2	Total experience in Optical Fibre Deployment in last 5 Years having minimum value of 25 Crores	Max. Marks 20	
	Documentary Evidence required: Copy of Work completion Certificate for Completed Projects/ Phase Completion Certificate from Client for On-going projects		
	OR		
	Self Certificate duly signed by country head in case of fibre deployed for self-consumption/ leasing out, IP1 License copy to be submitted		
	5 or more Projects		20
More than 2 projects but less than 5 projects	15		
2 projects	10		
Section Total		20	
3	Total Amount of Optical Fibre (Underground/ Aerial) Deployed in the Country	Max. Marks 20	
	Documentary Evidence required: Work experience clearly indicating the Fibre Route KM and its implementation. Copy of Work order/agreement along with completion certificate / phase completion certificate		
	OR		
	Self Certificate duly signed by country head in case of fibre deployed for self-consumption/ leasing out, IP1 License copy to be submitted in last 5 years		
	More than 15,000 Kms		20
More than 10,000 Kms up to 15,000 Kms	15		
5,000 Kms or more, up to 10,000 Kms	10		
Section Total		20	
4	Sole Bidder or lead bidder in case of consortium having experience of at least 3 projects (of worth not less than 2 Crore) each of ADSS or OPGW Fibre deployment in Government Sector/ PSUs project in India during last 5 financial years in similar terrain	Max. Marks 25	

S.No.	Technical Evaluation Parameters	Max Marks- 100
	<p>Note: - Experience of deployment of 100 Kms of OFC of OPGW/ ADSS in similar terrain shall be considered as 1 project. Bidder may submit credentials of 1 project qualifying as per the criteria having requisite quantum of works done under the project</p> <p>Documentary Evidence required: Copy of Work order/ agreement along with completion certificate for completed projects/ phase completion certificate in case of ongoing projects</p> <p style="text-align: center;">OR</p> <p>Self Certificate duly signed by Country Head in case of Optical Fibre network deployed for Self-consumption/ leasing out, IP1 license copy to be submitted</p>	
	More than 6 Projects	25
	4 to 5 Project	20
	3 Projects	15
Section Total		25
5	<p>Technical & Qualified Manpower - The Bidder must have at least 100 technically qualified engineers holding Diploma in Engineering, BE/B.Tech, M.SC IT, MCA degree with at least 2 years on roles with organization. No. of engineers with above qualification(s)</p> <p>Documentary Evidence required: Self certification for number of employees with qualification and experience meeting the above criteria to be furnished and signed by HR Head.</p>	Max. Marks 15
	More than 200 technically qualified engineers	15
	151-200 technically qualified engineers	12
	100-150 technically qualified engineers	10
Section Total		15
Maximum Marks		100

Annexure – III

6.13.2 Payments shall be released only on satisfactory acceptance of the deliverables for each activity/ task as per the following schedule:

S.No.	Payment Milestones	Remarks	Payment
1.	Issuance of Award of Contract and work order	On selection of the IA, Award of Contract and Work Order is issued	-
2.	Commencement of Survey		-
3.	50% Completion of Survey & submission of reports, Commencement of Work	Submission of survey reports, Submission of invoice on pro rata basis.	3% of Total Work Order Value
4.	100% Completion of Survey & report submission, Completion of 10% of Cable Installation Work of total WO value	Submission of Invoice on Pro- Rata basis	7% of total Work Order Value
5.	Completion of 25 % Cable Installation Work of Total WO Value	Submission of Invoice on Pro- Rata basis	10% of total work Order Value
6.	Completion of 40 % Cable Installation Work of Total WO Value	Submission of Invoice on Pro- Rata basis	10% of total work Order Value
7.	Completion of 60 % Cable Installation Work of Total WO Value	Submission of Invoice on Pro- Rata basis	10% of total work Order Value
8.	Completion of 80 % Cable Installation Work of Total WO Value	Submission of Invoice on Pro- Rata basis	10% of total work Order Value
9.	Completion of 100 % Cable Installation Work of Total WO Value	Submission of Invoice on Pro- Rata basis	10% of total work Order Value
10.	Completion of 100% works including splicing & end to end termination of Network	Submission of Invoice on Pro- Rata basis	10% of total work Order Value
11.	UAT of Complete Network & Draft Document Submission (ABD, Material Consumption Report, OTDR, LSPM etc.)	Submission of Invoice on Pro- Rata basis	10% of total work Order Value
12.	Rectification of Punch points/Observation & Completion of Hand-over of Complete end to end Network	Duly signed and attested handover of Final documents along with ABD, other necessary documents and submission of invoice on Pro-rata basis	10% of total work Order Value

S.No.	Payment Milestones	Remarks	Payment
13.	Successful completion of one year of Hand-over	Final invoice of balance 10% and Satisfactory certificate from ZENICS	10% of total work Order Value
14.	Successful maintenance of network in adherence to defined MTTR on quarterly basis	MTTR reports, OTDR reports after restoration	25% of total O&M contract value

Tender No. A. 11016/2/2023-ZENICS		Pre-bid Query Response Document		Dated: 13.09.2023
S. No.	RFP Reference(s)/ (Section & Page Nos)	Content of RFP requiring Clarification(s)	Points of Clarification	Clarification From ZENICS
1	Clause No. 4.35.5 Technical Evaluation Criteria S.No. 4 Page 35	Sole Bidder or lead bidder in case of consortium having experience of at least 3 projects (of worth not less than 2 Crore) of ADSS or OPGW Fibre deployment in Government Sector/ PSUs project in India during last 5 financial years in similar terrain. Documentary Evidence required: Copy of Work order/ agreement along with completion certificate for completed projects/ phase completion certificate in case of ongoing projects	Infrastructure Providers registered with DoT under IP1 category who have rolled out their own OFC laying projects and accordingly meet this experience eligibility cannot submit completion certificate from the client. In such case a self-certificate/ declaration confirming OFC laid by them should be accepted. Please confirm.	Sole Bidder or lead bidder in case of consortium having experience of at least 3 projects (of worth not less than 2 Crore) of ADSS or OPGW Fibre deployment in Government Sector/ PSUs/ large corporates project in India during last 5 financial years in similar terrain. Documentary Evidence required: Copy of Work order/ agreement along with completion certificate for completed projects/ phase completion certificate in case of ongoing projects OR Self Certificate duly signed by Country Head in case of Optical Fibre network deployed for Self-consumption/ leasing out, IP1 license copy to be submitted.
2	Clause No. 6.13 Payment Schedule Page No. 92	Serial No 3 - Payment Milestones - 50% Completion of Survey & submission of reports, Commencement of Work Remarks - N.A. Payment - 3% of Total Work Order Value.	As per Serial No 3 - the remarks mentioned is N.A. However, as per payment column 3% of total work order value will be paid to IA. In the absence of the submission of the invoice on a Pro-Rata basis, the payment of 3% will be treated as an advance. Please confirm when it will be adjusted, or else the remark column may be changed from N.A. to Submission of invoice on a Pro-Rata basis.	On submission of survey reports and upon submission of invoice on pro rata basis.
3	Clause No. 6.13 Payment Schedule Page No. 92	Serial No 12 - Payment Milestones - Rectification of Punch points/Observation & Completion of Hand-over of Complete end to end Network. Remarks - Duly signed and attested handover of Final documents along with ABD and other necessary documents Payment - 10% of total work Order Value	In the remarks column of Serial No 12 "Submission of invoice on Pro-Rata basis" is to be added.	Submission of invoice on Pro-rata basis.
4	Clause No. 7.13 Commercial Bid Format Page 115 to 120	Bill of Quantity has a column No 10 for HSN Code against each line item.	HSN is used for only supply of material and SAC is used for supply of services. We understand that this project falls under Works Contract as per section 2(119) of the CGST Act 2017 which is reproduced as under - Section 2(119) - "works contract" means a contract for building, construction, fabrication, completion, erection, installation, fitting out, improvement, modification, repair, maintenance, renovation, alteration or commissioning of any immovable property wherein transfer of property in goods (whether as goods or in some other form) is involved in the execution of such contract. As per Clause 6(a) of Schedule II of CGST Act 2017 the composite supply of material and services in work contract as defined in Section 2(119) will be treated as supply of service therefore billing in the current project will be treated as supply of services. To facilitate the said billing - 1. Please confirm the SAC code which is to be mentioned by the IA on the invoice to be raised to ZENICS. 2. Please rename the column 10 "HSN Code" to "SAC Code".	HSN/ SAC may be mentioned. HSN and SAC code to be used as per applicability in each case.
5	Clause No. 7.13 Commercial Bid Format Page 115 to 120	Bill of Quantity has a column No 11 for Part Code against each line item.	Please provide the part code against each line item	Bidder has to provide Part Code while filling up the BOQ. Each part should be chosen in compliance with the TEC specifications defined within the RFP / accepted globally as per Industry Standards and best practices.
6	Clause No. 5.14.3.3 Network design and Architecture Page No 46	As per tender , document outlines basic installation methods applicable for existing and newly constructed transmission lines for installation of OPGW and ADSS cables.	If transmission lines are not available at particular section for ADSS and OPGW Connectivity, please confirm the Installation Method	Installation shall only be done on existing transmission lines. No New routes shall be chosen for deployment.

S. No.	RFP Reference(s)/ (Section & Page Nos)	Content of RFP requiring Clarification(s)	Points of Clarification	Clarification From ZENICS
7	Clause No. 5.14.17.3 Operation and Maintenance of Optical Fibre Network Page No 55	During the O&M phase, the maintenance of complete network shall be carried by IA, This includes repair or replacement of the damaged OFC, FDMS, Joint Closures or anyother associated accessories of the passive network.	We understand that the overall scope is divided into three blocks: A, B, and C. If an agency is allocated only one block (A, B, or C), To avoid any confusion and discrepancies with the common line item i.e O&M that should be divided into block wise.	It shall remain as per RFP.
8	Clause No. 5.14.17.3 Operation and Maintenance of Optical Fibre Network Page No 55	During the O&M phase, the maintenance of complete network shall be carried by IA, This includes repair or replacement of the damaged OFC, FDMS, Joint Closures or anyother associated accessories of the passive network.	As per Tender Work allotment Process, If there is a change in the scope of work, whether it is an increase or decrease in that case Comprehensive O&M for one year that will be change or not. If there is a change, please provide the calculation detail so that we can calculate the Comprehensive O&M accordingly.	It will be decided by Change Control Committee as and when required.
9	4.8 Earnest Money Deposit (EMD) Page No 21	EARNEST MONEY DEPOSIT (EMD)	Please provide the bank details of Authority to process the bank guarantee	Please refer the Corrigendum.
10	Clause 4.2.2, Page No.18	It may be noted that the Lead Bidder cannot be a member of more than one bidding consortium. Although Consortium members (except Lead Bidder) can be part of any number of consortia.	This condition shall leverage freedom to the consortium partner which shall defy the purpose of competitive bidding. So, lead bidder and consortium member must be allowed to participate in only one bidding consortium. Please clarify	It shall remain as per RFP.
11	Clause 4.8, Page No.22	The EMD should be denominated in Indian Rupees and should be in the form of an Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks, in favour of MD, ZENICS, 4th Floor, Old Secretariat Building -1, Treasury Square. Aizawl - 796001, Mizoram	Please provide the bank details of Zenics to enable submission of EMD.	Please refer the Corrigendum.
12	Clause 4.34.7, Page No. 32	Consortium is allowed of maximum 2 members (including Lead Bidder) among the Prospective Bidders, OEMs & Service Providers.	Since the RFP requires the financial & experience criteria to be fulfilled by the lead bidder, consortium with prospective bidder, OEM or Service provider is not relevant. OEM can only provide MAF to multiple bidders. So,provision of consortium must be deleted. Please amend the clause suitably	It shall remain as per RFP. Forming consortium is optional and not mandatory.
13	Clause 4.35.4 (1), Page No. 33	Bid Security Declaration: Scanned copy of Bid Securing Declaration Form duly sealed and signed	Clause 4.8 mentions that Earnest Money deposit of Rs. 1,00,00,000 is required while clause 4.35.4 (1) is asking for bid security declaration. Please clarify.	Please refer the Corrigendum. Requirement of Bid Securing Declaration to be removed and Bidders will provide EMD only.
14	Caluse 4.35.5 (4), Page No. 35	Sole Bidder or lead bidder in case of consortium having experience of at least 3 projects (of worth not less than 2 Crore) of ADSS or OPGW Fibre deployment in Government Sector/ PSUs project in India during last 5 financial years in similar terrain	Experience of more than 02 cr. value of project of ADSS or OPGW does not seem relevant when we are looking towards a deployment which requires experience & expertise. Instead of emphasizing on value of the project, this clause must give weightage on the number of Kms of ADSS or OPGW deployed by a bidder in a project. Also, if a bidder has experience of deploying more than 2050 Kms, he must be given full marks Please amend the clause suitably	Experience of deployment of 100 Kms of OFC of OPGW/ ADSS in similar terrain shall be considered as 1 project. Bidder may submit credentials of 1 project qualifying as per the criteria having requisite quantum of works done under the project. Please refer the Corrigendum.
15	Clause 4.35.8, Page No. 38	The H1 shall be allotted complete scope of the project, or Distribution of work shall be as per the method mentioned below.....	The complete scope must be awarded in a single package as small packages shall not attract the sizeable & competent bidders	It shall remain as per RFP.
16	Bill of quantity, Page No. 121	Installation of new poles	Please provide the pole erection diagram with specifications & measurements including cable tagging point/height	The installation of New poles in BOQ is just for price discovery. Its price will not be included in the commercial evaluation. So, the method of installation will be decided as and when required. Poles should be galvanized steel poles of tubular design and swaged, length with 8 meters, with top cap welded and lightning spike. It should be including Muff as per RFP. Refer Clause No.1 (a) Miscellaneous Item table of Section 7.13 Commercial Bid Format.

S. No.	RFP Reference(s)/ (Section & Page Nos)	Content of RFP requiring Clarification(s)	Points of Clarification	Clarification From ZENICS
17	Clause 5.16, Page no. 56	Monitoring of Fibre Network	Please specify the parameters/ attributes to be monitored	Monitoring of the dark fiber and ADSS layed by IA regarding the following aspects: 1. Health of fiber 2. Length of route
18	Clause 5.14.14.2, Page No. 54	The IA shall use the existing cable trenches to route the OFC from gantry to the rack inside the main building through HDPE PLB duct of size 40/33 mm.	Please provide the detailed specification of duct & requirement of Manhole/Handhole.	IA shall use the existing cable trenches of sub stations. No Manhole/ Handhole shall be required.
19	Clause 5.14.18 (g), Page 56	For the purpose of AT, bidder shall procure and hand-over 2 Nos of OTDR (Optical Time domain Reflectometer) and 4 Nos. of LSPM (Laser Source Power Meter) to purchaser	Please provide the specification of OTDR & LSPM	The Maximum link length of OPGW is approx 61 KM and Maximum link length of ADSS is approx 97 KM. So bidder shall consider these length and choose the best specification and quote the same in BOQ accordingly.
20	Clause 5.14.8.2 (a), Page 52	OPGW and ADSS is normally supplied on non-returnable wooden reels. The cable is packaged with a flex wrap or wooden lagging to provide additional protection during transportation.	The cables are supplied in PVC reels also. Please clarify whether it shall be allowed.	It shall be allowed.
21	Clause 5.14.19, Page 56-57	Implementation Plan	Force Majeure, Risk & Climate condition to be mapped for the Change control committee (CCC) approval. Please clarify.	It shall remain as per RFP. Every clause of the RFP falls under the purview of Change Control Committee.
22	Clause 5.14.19, Page 56-57	Implementation Plan	Please specify other documents confirming deployment of fibre	The documents and reports generated during the deployment of fibre (including Self-Declaration of work completion, OTDR Reports, purchase receipt of material used, etc.) shall be submitted to the purchaser after completion of each mile stone.
23	Clause 5.14.6, Page 50	Route Survey	Please provide the format for route survey report	Bidder has to provide format for route survey as part of Technical Response. Bidder may refer section 5.14.7 to formulate the report capturing each detail required as per the section. Bidder may also include items he seems necessary for smooth execution & Maintenance of the project
24	-	General	Please specify: 1. Tower type (HT/EHT type) 2. Distance between towers/poles 3. Height of the tower 4. Sagging percentage 5. Scope & specification of earthing	The 132 KV transmission lines will be used for OPGW and 33 KV, 11KV or electric poles will be used for ADSS deployment. Rest all details are expected to be discovered only after survey conducted by IA during the assignment.
25	-	General	Please specify the seperation of OFC cable from the existing power lines	The details are expected to be discovered only after survey conducted by IA during the assignment.
item	-	General	Please specify how many units of space is allocated for RFMS & FDMS installation. Please also clarify that what is the arrangement for power supply & power backup of RFMS	This is a passive network and 1 Nos of 36U rack has been provisioned for each PoP. This will suffice the requirement of space for all the items to be installed at each PoP.
27	-	General	Detailed RASCI matrix may be provided.	It shall remain as per RFP.
28	-	General	Cable entry in-out redundancy required or not requirited	The details are expected to be discovered only after survey conducted by IA during the assignment.

S. No.	RFP Reference(s)/ (Section & Page Nos)	Content of RFP requiring Clarification(s)	Points of Clarification	Clarification From ZENICS
29	5.14.16	Monitoring of Fibre Network	Require details information of RFMS Unit like number of ports, Distance, Live/Dark Fiber Monitoring. 1. Number of dark fiber cores to be monitored out of 48 core fiber?based on our global experience now a days dark fiber is an asset and customer prefer to monitor all the dark fiber so that there is no theft and mis management of dark fiber after and during the deployment. 2. Tentative length and expected link budget loss for the fiber going to be deploy for this RFP. 3. Location where power and rack space will be available. 4. In RFP it is mentioned that Type approval of TEC is required for all the items, we understand that only valid TEC approved and certified products can be quoted during time of bid submission. 5. In RFP it is mentioned that T&M tools like OTDR/ PM/LS should be of reputed make, therefore will suggest keeping RFMS (remote fiber monitoring system) all well under reputed make category and define some technical specification/eligibility criteria of such critical items. 6. Bandwidth requirements for datacenter connections with network elements, recommended bandwidth for the RTU to FMS (EMS server of Remote fiber monitoring system) will be 2 Mbps minimum.	RFMS is required just to monitor the health and length of the route fiber. Bidder may quote accordingly
30	2. 3.8 /3.9 (Page no. 118)	Bill of Quantity	Detialed Specification of OTDR and LSPM	The Maximum link length of OPGW is approx 61 KM and Maximum link length of ADSS is approx 97 KM. So bidder shall consider these length and choose the best specificationand quote the same in BOQ.
31	-	General	As mentioned in tender specification Construction, Sag-Tension or existing Earth wire details are not given which is required to design the OPGW.	The details are expected to be discovered only after survey conducted by IA during the assignment.
32	-	General	Tower Schedules are not enclosed with bidding documents. It is required to finalize BOQ of required fittings & drum schedule.	The details are expected to be discovered only after survey conducted by IA during the assignment.
33	BOQ, Pg 117 and 118	S.No.2.7 Fiber Optic Splice Closure (Joint Box) with mounting accessories and S.No.2.15 Fiber Optic Splice Closure (Joint Box) for ADSS with associated pole mounting accessories.	Kindly confirm if the Line-Item No. 2.7 Fibre Optic Splice Enclosure (Joint Box) with mounting accessories & 2.15 Fiber Optic Splice Enclosure (Joint Box) for ADSS with associated pole mounting accessories same?	Line Item no. 2.7 is mentioned for OPGW and Line Item no. 2.15 is for ADSS.
34	-	General	In normal course of OPGW project deployment, the Earth wire that is replaced from OPGW fibre is owned by the IA. To be clarified what should be done in this project.	P&E Department will be the owner of the earthwire in this case.
35	-	General	It would be difficult for IA to achieve payment milestone in case if single work order is provided while allotting multiple zones. Payment will be made accordingly and hence the chances of delay will increase. Request to track implementation Zone wise by assigning separate WO for each Zone and payment be made accordingly.	Single Work Order shall be issued for any number of zones allotted to IA.