

Clarification-I & Amendment-1 to the Bidding Documents

1. Amendment-I to the Bidding documents:

SI No.	Document Title/ Volume	Section no.	Clause no.	Existing Clauses	Amended Clauses
1	Volume-II Technical Specifications (TS)	TECHNICAL SPECIFICATIONS for OFC with Double HDPE Sheath	ANNEX-I/1	OFC CONSTRUCTION PARAMETERS AND FIBER TESTING, Cable Diameter: 12.8+/- 0.5 for 12F, 24F & 48 F	Cable Diameter: Up to 13.2+/-1.0 for 12F, 24F & 48 F
2	Volume-I CONDITIONS OF CONTRACT	Section-III/ Bid Data Sheets (BDS)	12, 13 & 27	j. Attachment-23: Authorization certificate issued by domestic manufacturer for selling Domestically Manufactured Iron & Steel Products, if applicable. k. Attachment-24: Affidavit of Self certification regarding Domestic Value Addition in Iron & Steel Products duly signed and stamped on each page.	Replacing Point no. j & k with following: j. Attachment- 23 & 24 are not applicable for the subject Tender.

2. Clarification-I to the Bidding documents:

Sr · N o.	Section no.	Clause no.	Description	Query	Buyers Response

1	Bid Eligibility Criteria	Technical Specification for OFC with Double HDPE Sheath	This technical specification describes major functional specifications, technical parameters and testing requirements for Metal Free Optical Fiber Cable with Double HDPE Sheath Wet Core (Type-I). The cable shall meet the requirement specified in the BSNL (Bharat Sanchar Nigam Ltd) Technical Spec. of Tender No. CA/CNP/OFC/T-406/2011-12 issued on 30.08.2011 and recent tenders (if any) and TEC GR & IEC standards mentioned in the Tender shall also be applicable.	We have valid TSEC for 24F (UA) against tender No.:- CA/Ent.-CNP/24F OFC/T-660/2018 issued on Dated:- 31.12.2018 and TSEC for 48F (UA) against tender No.:- MM/CNP/OFC-24F-48F/T-684/2020 issued on 27.05.2020 with Amendment & Clarification dated 19.06.2020. We understand that same is acceptable for participation and supply. Kindly accept our request.	Provision of Bidding Documents shall remain unchanged.
2	Bid Eligibility Criteria	Technical Specification for OFC with Double HDPE Sheath	The bidder shall have valid Type Approval Certificate (TAC) from TEC/Technical Specification evaluation certificate (TSEC) given by BSNL QA for 24F Metal free Optical Fiber Cable with Double HDPE Sheath OFCs at the time of bid submission and a copy of valid TAC/TSEC Certificate shall be submitted along with the bid. In case TSEC/TAC has been expired, bidder must have applied for TSEC/TAC against the required cable (BSNL Tender as specified in	We understand that the supply for 12F (UA) of 136 KM is acceptable against TSEC for 24F (UA) as no vendor have TSEC for 12F (UA) OFC cable. Kindly clarify.	The provisions in the bidding documents are amply clear

3	Bid Eligibility Criteria	(TS clause No: 03)	<p>this document) to BSNL QA before the bid submission and proof for submission shall be submitted along with the bid. However, the bidder shall ensure that, in all cases the TAC/TSEC Certificate would be valid at the time of award. In case, Type approval Certificate validity expires after placement of letter of award (LoA), the Contractor shall take advance action so that the supply is not delayed due to non-availability of Type approval Certificate.</p> <p>The Construction/ design of the offered 12F & 48F Metal Free Optical Fiber Cable with Double HDPE Sheath shall be in line with 24F OFC.</p>	<p>We hereby request you, Kindly relax the requirement of valid type approval since there is no such requirement are coming from BSNL and other PSUs since last several years. We understand that only few vendor may have valid TSEC. Obtaining TSEC from BSNL is very lengthy process and will take minimum 4-5 months' time due to some long duration test. Kindly accept our request and wave of the TSEC condition. However the vendor has to comply the detail technical specification as mentioned in the Tender and cable has to be tested and supplied as per PGCIL Technical specification. This will allow more and more participation and healthy competition against your tender.</p>	<p>Provision of Bidding Documents shall remain unchanged.</p>
4	Bid Eligibility Criteria	Technical Specification for Armoured OFC	<p>This technical specification describes major functional specifications, technical parameters and testing requirements for Armoured Optical Fiber Cable. The offered Armoured cable shall comply to Indian Railways-Research Designs and Standards Organization (RDSO) specification-IRS: TC 55-2006 Rev. 1 with Amendment-1 &2 and subsequent amendment (if any). The cable may be offered from a manufacturer, who has valid Type Approval Certificate (TAC) from RDSO.</p>	<p>The supply of 48F (A) is acceptable against (RDSO) specification-IRS: TC 55-2006 Rev. 1 with Amendment-1 &2 24F RDSO approval. Kindly clarify.</p>	<p>The provisions in the bidding documents are amply clear</p>

5	Product/Service specification	Technical Specification for Armoured OFC (TS clause No: 2.1)	2.1 All optical fiber cable shall be supplied in strong wooden drums provided with lagging with adequate strength, constructed to protect the cabling against all damage and displacement during transit, storage and subsequent handling during installation. The cable drum shall be suitable to carry fiber optic cable of length or 2km \pm 10% or 4 km \pm 5%. However, the payment shall be made as per actual length supplied. Both cables ends in the Drum shall be sealed and shall be readily accessible. The drum shall be marked with arrows to indicate the direction of rotation. Both the ends of the cable shall be provided with pulling eye. The pulling eye and its coupling system shall withstand the same tensile load as applicable to the cable. The following marking shall be done on each side of the cable drums.	Supply of short lengths of 12F (UA) ,24F (UA) ,48F (UA), 12F Aerial, Optical Fiber Cable between 1.0 KM to 1.8 KM is permitted subject to maximum of 5% of PO quantity. The payment for the supply of short length will be made on actual length.	The provisions in the bidding documents are amply clear
6	Product/Service specification			As per RDSO spec. the drum length is 3Km \pm 10%. However as per tender it is 2km \pm 10% or 4 km \pm 5%. Kindly clarify.	The provisions in the bidding documents are amply clear
7	Terms and Conditions	FAT (Factory Acceptance Test)	Kindly clarify the inspection authority and who will bear the inspection charges.	POWERGRID's inspection authority shall come to witness the tests. The testing arrangements shall be done by the supplier.	

8	Terms and Conditions		Terms and Conditions	We understand that only few documents like EMD Bid security, Power of Attorney is to be submitted offline /Or we have to submit entire bid in hard copy. Kindly clarify.	Provision of Bidding Documents shall remain unchanged.
9	Invitation for BIDS (IFB)	3.1	The scope of work covered under this Package includes "Procurement of 12F Aerial OFC, 12/24/48F Un-Armoured UGOFC, 24/48F Armoured UGOFC for various projects and O&M works under NRTCC requirements" as detailed in Bidding Documents.	We understand the said tender is for only supply of cables. O&M works are not required. Please Confirm.	The provisions in the bidding documents are amply clear
10	IV	3.1 Scope of Supply	Unless otherwise expressly limited in the Technical Specifications, the Supplier's obligation shall include the provision of all Goods and the performance of all Related Services required for the design, the manufacture (including procurement, quality assurance and delivery) of the Goods and the supervision of installation, commissioning and performance testing of the Goods in accordance with the plans, procedures, specifications, drawings, codes and any other documents as specified in the Technical specifications. Such specifications include, but are not limited to, the provision of supervision and engineering services; the supply of labour, materials, equipment, spare parts (as specified in GCC Sub-Clause 3.3 below) and accessories; Supplier's Equipment; temporary materials, structures and facilities; transportation (including without limitation, unloading and hauling to, from and at the Site); and storage.	We understand the said tender is for only supply of cables. No otherworks such as installation, commissioning etc are required. Please Confirm.	The provisions in the bidding documents are amply clear

11	IV	3.2	The Supplier shall, unless specifically excluded in the Contract, perform all such work and/or supply all such items and materials not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Completion of the Goods and Related Services as if such work and/or items and materials were expressly mentioned in the Contract.	We understand as this tender is for supply of cables only therefore this clause is not applicable. Please Confirm.	The provisions in the bidding documents are amply clear
12	IV	3.3	The supply of Mandatory Spare Parts, if any, shall be included in the Contract. Beside the aforesaid Mandatory Spares parts, the Supplier shall ensure the availability of spare parts required for the operation and maintenance of the Goods to the Purchaser for a minimum period of 15 years from Completion of the Facilities. The Supplier shall carry sufficient inventories to ensure an ex-stock supply of consumable spares for the Goods. If so desired by the Purchaser, the Supplier shall submit the specifications, price and the terms and conditions relating to the supply thereof for such spares identified by the Purchaser with validity period of 6 months within 30 days of receipt of request from Purchaser for its consideration and placement of order.	We understand as this tender is for supply of cables only therefore no Spares are required. Please Confirm.	The provisions in the bidding documents are amply clear
13	IV	3.4	The Supplier shall guarantee that in the event of termination of production of spare parts by the Supplier or his Sub-Contractor: (i) The Supplier shall send advance notification to the Purchaser of the pending termination, with 2 (two) years time to permit the Purchaser to procure needed requirements, and (ii) Following such termination, the Supplier shall furnish at no cost to the Purchaser the blueprints, drawings and specification of the spare parts, if requested.	We understand as this tender is for supply of cables only therefore this clause is not applicable. Please Confirm.	The provisions in the bidding documents are amply clear
14	IV	3.5	In case the Supplier fails to supply the spares parts in accordance with the terms stipulated above, the Purchaser shall sanction the Supplier declaring them ineligible for a stated period of time for future projects.	We understand as this tender is for supply of cables only therefore this clause is not applicable. Please Confirm.	The provisions in the bidding documents

					are amply clear
15	IV	18	Supervision of Installation	We understand as this tender is for supply of cables only therefore this clause is not applicable. Please Confirm.	The provisions in the bidding documents are amply clear
16	Appendix-3	b	Erection All Risk Policy/Contractor All Risk Policy:	We understand as this tender is for supply of cables only therefore this clause is not applicable. Please Confirm.	The provisions in the bidding documents are amply clear
17		General		We request you to kindly provide excel copy of Bid Form and attachment enabling us to duly fill and upload the same.	Provision of Bidding Documents shall remain unchanged.
18	General	12,24,48F UN Arm Cable Double Sheath	This technical specification describes major functional specifications, technical parameters and testing requirements for Metal Free Optical Fiber Cable with Double HDPE Sheath Wet Core (Type-I). The cable shall meet the requirement specified in the BSNL (Bharat Sanchar Nigam Ltd) Technical Spec. of Tender No. CA/CNP/OFC/T- 406/2011-12 issued on 30.08.2011 and recent tenders (if any) and TEC GR & IEC standards mentioned in the Tender shall also be applicable	Which Spec follow Either Type I Wet Core or Tender No. CA/CNP/OFC/T-406/2011-12 issued on 30.08.2011 and recent tenders	The provisions in the bidding documents are amply clear

19	General	12,24,48F UN Arm Cable Double Sheath	Tec GR for raw materials (GR No. TEC/GR/TX/ORM-01/04SEP-09 with Errata No 1 Dated 25.03.2014, and subsequent amendments (if any).	ORM GR EC/GR/TX/ORM-01/04SEP-09 with Errata No 1 Dated 25.03.2014 is suspended New ORM GR ८९०१०:२०२१ SO we Follow New ORM Specification	The provisions in the bidding documents are amply clear
20	Volume II- Technical Specification	8 :Type Testing (Page no:03)	The bidder shall have a valid Type Approval Certificate (TAC) from TEC/Technical Specification Evaluation Certificate (TSEC) given by BSNL QA for the proposed Optical Fiber Cable at the time of bid submission and a copy of the valid TAC/TSEC certificate shall be submitted along with the bid. In case TSEC/TAC has expired, the bidder must have applied for TSEC/TAC against the required cable (BSNL Tender as specified in this document) to BSNL QA before the bid submission and proof for submission shall be submitted along with the bid. However, the bidder shall ensure that, in all cases, the TSEC/TAC certificate would be valid at the time of the award. In case the same is not available or not valid, a "Customer Certificate", indicating satisfactory operation of the offered cable design for the last 2 years, as from the original date of bid opening, shall be submitted.	Dear Sir, In recent past BSNL has not published the tenders for these types of cables because of which we understand many manufacturer may not have valid TSEC for these cables. We request you kindly remove the requirement of TSEC / TSEC application at the time of submission of Bid. However if bid is awarded we will renew/ apply for the necessary TSEC with BSNL.	Provision of Bidding Documents shall remain unchanged.

21	Volume II- Technical Specification: Technical Specification for OFC with Double HDPE Sheath	Type Approval Certificate (Page no: 08)	<p>The bidder shall have valid Type Approval Certificate (TAC) from TEC/Technical Specification evaluation certificate (TSEC) given by BSNL QA for 24F Metal Free Optical Fiber Cable with Double HDPE Sheath OFCs at the time of bid submission and a copy of valid TAC/TSEC Certificate shall be submitted along with the bid. In case TSEC/TAC has been expired, bidder must have applied for TSEC/TAC against the required cable (BSNL Tender as specified in this document) to BSNL QA before the bid submission and proof for submission shall be submitted along with the bid. However, the bidder shall ensure that, in all cases the TAC/TSEC Certificate would be valid at the time of award.</p> <p>In case, Type approval Certificate validity expires after placement of letter of award (LoA), the Contractor shall take advance action so that the supply is not delayed due to non-availability of Type approval Certificate.</p> <p>The Construction/ design of the offered 12F & 48F Metal Free Optical Fibre Cable with Double HDPE Sheath shall be in line with 24F OFC.</p>	BSNL issued tender based TSEC for 24F DSUA OFC . We understand TSEC for any previous tender will be acceptable for participation and supply against this tender. Please confirm.	The provisions in the bidding documents are amply clear
22	Volume I	9.1 (Page no: 06)	Soft Copy Part of the Bids must be uploaded under Single Stage Two Envelope Bidding Procedure on the GeM portal https://gem.gov.in at or before 1100 Hrs. on 27.03.2023. The GeM portal e-Procurement system would not allow any late submission of bids through the portal after due date & time as specified	We request you kindly extend the latest date of submission of Bid for tender atleast by 10 Days enabling us to submit our most competitive bid.	NA

23	2/GeM Doc		SplittingBid splitting not applied.	<p>1) We understand, splitting is allowed only when L1 bidder is non MSME and any MSME has quoted price within range of L1+15%. Please confirm.2) As the requirement is for six different type of OFC against the tender, please confirm whether bidder is allowed to quote any 1, 2, 4 out of requisite six type of OFC or it is mandatory to quote for all.3) Please also confirm whether the Price Bid evaluation will be done item wise or package wise.</p>	<p>The provisions in the bidding documents are amply clear</p>
24	3/Sample forms	3	<p>Price Schedule Please see Volume - III</p>	<p>We have not found any format for price schedule. As the Bid need to be uploaded on GeM portal, we understand Price to be quoted as per Price Bid Format available on GeM portal and hence no other specific format (excel) is required.</p> <p>Please confirm.</p>	<p>The provisions in the bidding documents are amply clear</p>

25	2/GeM Doc	1	<p>Bid reserved for Make In India products: Procurement under this bid is reserved for purchase from Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time....In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020 .</p>	<p>As after opening of Price Bid, Reverse Auction would be conducted amongst first 50% of the technically qualified bidders (arranged in the order of prices from lowest to highest), we understand any such certificate (from statutory auditor/cost auditor) would be required only after Reverse Auction. Hence, submission of any such certificate is not mandatory at this stage i.e with the Bid.</p> <p>Please confirm.</p>	<p>The provisions in the bidding documents are amply clear</p>															
26	6/BDS	6/ITB 5.1	<p>Volume-III shall be renamed as Bid Form & Attachments</p>	<p>For the ease of filling the Bid Forms and Attachments, please arrange to provide soft /editable copy of 'Volume-III: Bid Form & Attachments'.</p>	<p>The provisions in the bidding documents are amply clear</p>															
27	27/ITB	15.4	<p>The List of following documents shall be scanned & uploaded on the portal as per table given below:</p> <table border="1" data-bbox="449 1024 1058 1256"> <thead> <tr> <th>S. No.</th> <th>Description of Documents</th> <th>Name of File to be uploaded on the portal</th> </tr> </thead> <tbody> <tr> <td>2.</td> <td>DD against Bidding Document fee</td> <td>dd.pdf</td> </tr> <tr> <td>3.</td> <td>Constitution of legal status</td> <td>legal.pdf</td> </tr> <tr> <td>4.</td> <td>Declaration for anticipated change in legal structure/ ownership</td> <td>decl_legal.pdf</td> </tr> <tr> <td>5.</td> <td>The principal place of business</td> <td>principal.pdf</td> </tr> </tbody> </table>	S. No.	Description of Documents	Name of File to be uploaded on the portal	2.	DD against Bidding Document fee	dd.pdf	3.	Constitution of legal status	legal.pdf	4.	Declaration for anticipated change in legal structure/ ownership	decl_legal.pdf	5.	The principal place of business	principal.pdf	<p>As GeM portal has limited slots for the documents to be uploaded and name of pdf documents changed immediately after uploading, we understand there is no use of following this nomenclature. We therefore request you to please review and modify the clause accordingly.</p>	<p>Required Documents shall be merged together & uploaded in GeM Portal.</p>
S. No.	Description of Documents	Name of File to be uploaded on the portal																		
2.	DD against Bidding Document fee	dd.pdf																		
3.	Constitution of legal status	legal.pdf																		
4.	Declaration for anticipated change in legal structure/ ownership	decl_legal.pdf																		
5.	The principal place of business	principal.pdf																		

28	14/BDS	28/ITB 15.4	<p>Supplementing the List of documents to be scanned & uploaded on the portal mentioned in ITB Clause 15.4 as below:</p> <table border="1" data-bbox="436 358 1094 574"> <thead> <tr> <th data-bbox="436 358 491 412">S. No.</th> <th data-bbox="491 358 905 412">Description of Documents</th> <th data-bbox="905 358 1094 412">Name of File to be uploaded on the portal</th> </tr> </thead> <tbody> <tr> <td data-bbox="436 412 491 482">...</td> <td data-bbox="491 412 905 482">.....</td> <td data-bbox="905 412 1094 482">.....</td> </tr> <tr> <td data-bbox="436 482 491 521">...</td> <td data-bbox="491 482 905 521"></td> <td data-bbox="905 482 1094 521"></td> </tr> <tr> <td data-bbox="436 521 491 574">19.</td> <td data-bbox="491 521 905 574">MSE owned by SC/ST entrepreneurs</td> <td data-bbox="905 521 1094 574">MSE_SC-ST certificate.pdf</td> </tr> <tr> <td data-bbox="436 574 491 607">20.</td> <td data-bbox="491 574 905 607">MSE owned by women</td> <td data-bbox="905 574 1094 607">MSE_Women certificate.pdf</td> </tr> </tbody> </table>	S. No.	Description of Documents	Name of File to be uploaded on the portal			19.	MSE owned by SC/ST entrepreneurs	MSE_SC-ST certificate.pdf	20.	MSE owned by women	MSE_Women certificate.pdf		
S. No.	Description of Documents	Name of File to be uploaded on the portal																		
...																		
...																				
19.	MSE owned by SC/ST entrepreneurs	MSE_SC-ST certificate.pdf																		
20.	MSE owned by women	MSE_Women certificate.pdf																		
29	6-7/BDS	12/ITB9(I)	<p>Documents Comprising the Bid</p> <p>I. Hard Copy Part</p> <p>Hard copy part of the bid shall comprise of following documents to be submitted in sealed envelope, as part of First Envelope:</p> <p>-----</p> <p>-----</p> <p>j. Attachment-23: Authorization certificate issued by domestic manufacturer for selling Domestically Manufactured Iron & Steel Products, if applicable.</p> <p>k. Attachment-24: Affidavit of Self certification regarding Domestic Value Addition in Iron & Steel Products duly signed and stamped on each page.</p>	<p>As the tender is for supply of Optical Fiber Cable only, we understand that the Attachment-23 and Attachment-25, as asked in this clause are not applicable for this tender.</p> <p>Please confirm.</p>	<p>Please refer Amendment-1 of Bidding documents.</p>															
30	11/ITB	9.3 (c.)	<p>The complete annual reports together with Audited statement of accounts of the company for last five years of its own (separate) immediately preceding the date of submission of bid. The Bidder shall also furnish documentary evidence/ declaration regarding Financial re-structuring of the company, if any.</p>	<p>These two clauses are contradictory. One is asking for complete annual reports whereas another asked to upload only Balance sheets.</p> <p>Further, as due to its heavy file size,</p>	<p>The provisions in the bidding documents</p>															

31	28/ITB	15.4 (8)	Financial Balance Sheets (for last five years)	uploading of complete annual reports may have space issue on GeM portal, we understand submission of only financial balance sheet (for last five years) will serve the purpose. Please confirm.	are amply clear
32	1/Tech spec for Aerial OFC	1	Technical specification for 12F Aerial OFC: The aerial Fibre cable shall be as per standard No. TEC 85200:2022 and the latest amendment if any.	As per TEC No. the cable required is Aerial Drop OFC (For Last Mile Application).Please confirm.	The provisions in the bidding documents are amply clear
33	1/Tech spec for UG OFC	.-	Technical specification for 12F/24F/48F Underground cable OFC: This technical specification describes major functional specifications, technical parameters and testing requirements for Metal Free Optical Fibre Cable with Double HDPE Sheath Wet Core (Type-I). The cable shall meet the requirement specified in the BSNL (Bharat Sanchar Nigam Ltd.) Technical Spec. of Tender No. CA/CNP/OFC/T-406/2011-12 issued on 30.08.2011 & recent tenders (if any) and TEC GR & IEC standards mentioned in the Tender shall also be applicable	1) We understand TSEC taken against BSNL Technical Spec. of Tender No. MM/CNP/OFC-24F-48F/T-684/2020 dated 27.05.2020 & recent tenders (if any) will also be applicable and considered valid for this tender of PGCIL. Please confirm.	The provisions in the bidding documents are amply clear

34	2/Tech spec for UG OFC	3	<p>Technical specification for 12F/24F/48F Underground cable OFC: Type Approval Certificate: The bidder shall have valid Type Approval Certificate (TAC) from TEC/Technical Specification Evaluation Certificate (TSEC) given by BSNL QA for 24F Metal Free Optical Fiber Cable with Double HDPE Sheath OFCs at the time of bid submission and a copy of valid TAC/TSEC certificate shall be submitted along with the bid. In case TSEC/TAC has been expired, bidder must have applied for TSEC/TAC against the required cable (BSNL Tender as specified in this document) to BSNL QA before the bid submission and proof for submission shall be submitted along with the bid. However, the bidder shall ensure that, in all cases the TSEC/TAC certificate would be valid at the time of award.</p> <p>In case, Type approval Certificate validity expires after placement of Letter of award (LoA), the Contractor shall take advance action so that the supply is not delayed due to non availability of Type approval Certificate.</p> <p>The construction/ design of the offered 12F & 48F Metal Free Optical Fiber Cable with Double HDPE Sheath shall be in line with 24F OFC.</p>	<p>2) We understand Bidder is asked to have TSEC only for 24F UG OFC and not for other count of UG OFC required against this tender. Please confirm.</p>	<p>The provisions in the bidding documents are amply clear</p>
35	1/Tech spec for UG OFC	1.2	<p>Technical specification for 12F/24F/48F Underground cable OFC: The attenuation coefficient of the fibre to be supplied in the cable shall be: $\leq 0.35\text{dB/km}@1310\text{nm}$ & $\leq 0.21\text{ dB/km}@1550$</p>	<p>As per TEC GR of Raw Material the attenuation coefficient after cabling is @ 1550 : < 0.22 dB/ km & @ 1310 nm : < 0.36 dB/ km.</p> <p>We understand, bidder is allowed to offer the cable with these specs. Please confirm.</p>	<p>As per Specification</p>

36	4/Tech spec for UG OFC	Annex-I/1	Technical specification for 12F/24F/48F Underground cable OFC: OFC Construction parameters and Fiber testing	There are few mismatch in the given Annexure I/1, and similar annexure given in the referred BSNL's specifications. We understand Bidders are allowed to follow 'Annexure I' as per BSNL's specifications. The same is attached for your ready reference. Please refer 'Annexure1_BSNL Spec' Hence, Cable Diameter for 24F & 48F can be considered as 13.2 +/- 1.0 mm. Please confirm.	Refer S.No: 1 of Amendment 1 of Technical specifications.
37	8/Tech spec for Armoured OFC	1.2	Technical specification for Armoured OFC: The attenuation coefficient of the fiber to be supplied in the cable shall be: $\leq 0.35 \text{ dB/km@1310nm}$ & $\leq 0.21 \text{ dB/km@1550}$	As per RDSO Specification after cabling Attenuation Coefficient @ 1550 : < 0.22 dB/ km & @ 1310 nm : < 0.36 dB/ km. Can we offer it as per RDSO Spec? Please confirm.	Tender Specification will prevail.

38	1677150776; VOLUME - II TECHNICAL SPECIFICATIONS	1.0 General (Page 1 of 5)	<p>The aerial Fiber cable shall be as per standard No. TEC 85200:2022 and the latest amendment if any.</p> <p>The cable shall be rodent and termite-proof. The aerial fiber optic cable shall be suitable for hanging on poles or similar structures.</p> <p>The cable should be of low weight, small volume and high flexibility. The mechanical design and construction of each unit shall be inherently robust and rigid under all conditions of operation, adjustment, replacement, storage and transport.</p>	<ol style="list-style-type: none"> 1. We understand that Aerial Optical Fiber Cable 12 Fiber (337 kilometer) shall be as per TEC 85200:2022 and the its latest amendment if any. Kindly Confirm. 2. As per TEC 85200:2022, OFC may contains G.657.A1/G.657.A2 fibre. Since to our understanding these OFC is meant for last mile drop application, we understand that OFC shall be with G.657.A2 fibre. Kindly Confirm. 3. We understand that wherever there will be any conflict between tender specified value and TEC GR, TEC GR paramters will supercedes. Kindly Confirm. 4. As Aerial Optical Fiber Cable 12 Fiber (337 kilometer) is meant to be deployed aially, we understand that application of "rodent and termite proof" shall be limited to Underground cable design not for Aerial Optical Fiber Cable 12 Fiber (337 kilometer). Kindly Confirm. 	The provisions in the bidding documents are amply clear
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39	1677150776; VOLUME - IITECHNIC AL SPECIFICA TIONS	8.0 Type Testing (Page 2 of 5)	Type TestingThe bidder shall have a valid Type Approval Certificate (TAC) from TEC/Technical Specification Evaluation Certificate (TSEC) given by BSNL QA for the proposed Optical Fibre Cable at the time of bid submission and a copy of the valid TAC/TSEC certificate shall be submitted along with the bid. In case TSEC/TAC has expired, the bidder must have applied for TSEC/TAC against the required cable (BSNL Tender as specified in this document) to BSNL QA before the bid submission and proof for submission shall be submitted along with the bid. However, the bidder shall ensurethat, in all cases, the TSEC/TAC certificate would be valid at the time of the award.In case the same is not available or not valid, a “Customer Certificate”, indicating satisfactory operation of the offered cable design for the last 2 years, as from the original date of bid opening,shall be submitted.	We understand that only following two TSEC/TAC is required for participation & supply.1. 24F Metal Free Optical Fiber Cable with Double Sheath as per BSNL tender no CA/CNP/OFC/T-406/2011-12 issued on 30.08.2011 or MM/CNP/OFC-24F-48F/T-684/2020 issued on 27.05.2020 or recent tender.2. RDSO 24F Armored Optical Fiber CablePlease confirm.	The provisions in the bidding documents are amply clear
40	1677150776; VOLUME - II TECHNICA L SPECIFICA TIONS	Page 2 of 5	The material shall be warranted for twelve (12) months from the date of issuance of the taking over a certificate of the cable drums at the POWERGRID store. If during the warranty period any defect shall be found in the design, engineering, materials and workmanship of the cable, the contractor shall promptly, in consultation and agreement with the respective RTCC of POWERGRID, replace the faulty drums at its own cost.	We understand that the warranty for 12 months shall start from date of material received at Powergrid store against the PO. Kindly Confirm.	The provisions in the bidding documents are amply clear

41	1677150776; VOLUME - II TECHNICAL SPECIFICATIONS	Technical Specification for OFC with Double HDPE Sheath (1)	<p>Technical Specification for OFC with Double HDPE Sheath This technical specification describes major functional specifications, technical parameters and testing requirements for Metal Free Optical Fibre Cable with Double HDPE Sheath Wet Core (Type-I). The cable shall meet the requirement specified in the BSNL (Bharat Sanchar Nigam Ltd) Technical Spec. of Tender No. CA/CNP/OFC/T-406/2011-12 issued on 30.08.2011 and recent tenders (if any) and TEC GR & IEC standards mentioned in the Tender shall also be applicable.</p> <p>This non -Nylon, Metal free optical Fibre is for underground installation in ducts. The cable shall have double HDPE jacketing. The optical Fiber cable shall be suitably protected for the ingress of moisture by flooding jelly/WS yarn and WS tape. The raw materials used in the cable shall meet the requirements as specified in the Tec GR for raw materials (GR No. TEC/GR/TX/ORM-01/04SEP-09 with Errata No 1 Dated 25.03.2014, and subsequent amendments (if any).</p>	<p>1. We understand that technical specification for OFC with Double HDPE Sheath shall be as per CA/CNP/OFC/T-406/2011-12 issued on 30.08.2011 or MM/CNP/OFC-24F-48F/T-684/2020 issued on 27.05.2020 or recent tender.</p> <p>2. As per reference tender mentioned in the technical specification of metal free OFC with double HDPE sheath (G652D), cable diameter was 13.2+/-1.0. SO requesting to consider the cable diameter was 13.2+/-1.0. Please confirm.</p>	<p>1. The provisions in the bidding documents are amply clear.</p> <p>2. Refer S.No: 1 of Amendment 1 of Technical specifications.</p>
42	1677150776; VOLUME - II TECHNICAL SPECIFICATIONS	Technical Specification for Armoured OFC	<p>This technical specification describes major functional specifications, technical parameters and testing requirements for Armoured Optical Fibre Cable. The offered Armoured cable shall comply to Indian Railways-Research Designs and Standards Organization (RDSO) specification-IRS: TC 55-2006 Rev. 1 with Amendment-1 &2 and subsequent amendment (if any). The cable may be offered from a manufacturer, who has valid Type Approval Certificate (TAC) from RDSO.</p>	<p>We understand that armoured OFC shall be as per IRS: TC 55-2006 Rev. 1 with Amendment-1 &2 and subsequent amendment (if any). In case of any conflict between tender specified value and RDSO spec (IRS: TC 55-2006), RDSO spec will supersede. Kindly Confirm.</p>	<p>The provisions in the bidding documents are amply clear</p>
43	1677150639- SECTION - V SPECIAL CONDITIONS OF CONTRACT (SCC)	SECTION - V Sl.No 3;GCC 1.1 (k)	<p>The Time for Completion/ Delivery schedule shall be as under:</p>	<p>We understand that 100% supply shall be completed within 4 months from the date of award of contract. Also, bidder can deliver the 100% PO quantity as single lot.</p>	<p>The provisions in the bidding documents are amply clear</p>